

OWNERS HANDBOOK

REPORTING SAFETY DEFECTS!

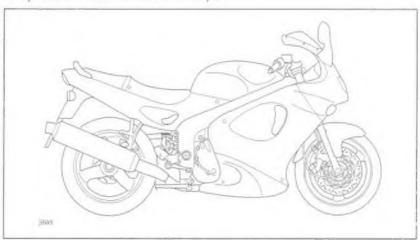
If you believe your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Triumph Motorcycles America Limited, 403 Dividend Drive, Peachtree City, 30269 Georgia. Telephone (770) 631 9500.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However NHTSA cannot become involved in individual problems between you, your dealer, or Triumph Motorcycles America Limited.

To contact NHTSA, you may either call the Auto Safety Hotline toll-free at 1-800-424-9393 (or 366-0123 in Washington, DC area) or write to; NHTSA, U.S. Department of Transportation, Washington, DC 20590. You can also obtain other information about motor vehicle safety from the Hotline.

Foreword

This handbook contains information on the Triumph Sprint ST and Sprint RS motorcycles. Always store this handbook with the motorcycle.



Warning Labels

At certain areas of the motorcycle, the symbol (right) can be seen. The symbol means 'CAUTION: REFER TO THE HANDBOOK' and will be followed by a pictorial representation of the subject concerned. Never attempt to ride the motorcycle or make any adjustments without reference to the relevant instructions contained in this handbook. See pages 9 and 10 (Sprint ST model) and pages 11 and 12 (Sprint RS model) for the location of all labels bearing this symbol. Where necessary, this symbol will also appear on the pages containing the relevant information.



MaIntenance

To ensure a long, safe and trouble free life for your motorcycle, maintenance should always be carried out by an authorised Triumph dealer. Only an authorised Triumph dealer will have the necessary knowledge, equipment and skills to maintain your Triumph motorcycle correctly.

Information

The information contained in this publication is based on the latest information available at the time of printing. Triumph reserves the right to make changes at any time without prior notice, or obligation.

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Owner's Handbook

Thank you for choosing a Triumph motorcycle. This motorcycle is the product of Triumph's use of proven engineering, exhaustive testing, and continuous striving for superior reliability, safety and performance. Please read this owner's handbook before riding in order to become thoroughly familiar with the correct operation of your motorcycle's controls, its features, capabilities and limitations.

This manual includes safe riding tips, but does not contain all the techniques and skills necessary to ride a motorcycle safely. Triumph strongly recommends that all riders undertake a safety course approved by the Motorcycle Safety Foundation to ensure safe operation of this motorcycle. Information about the nearest Motorcycle Safety Foundation course to you can be obtained by calling the following nationwide toll free number: 800-447-4700, or by writing to the Motorcycle Safety Foundation at: 2, Jenner Street, Irvine, California 92718. To ensure a long and trouble free life for your motorcycle, maintenance should be carried out as described in this manual by an authorized Triumph dealer.

WARNING: This Owner's Manual and all other instructions which are supplied with your motorcycle should be considered a permanent part of your motorcycle and should remain with it even if your motorcycle is subsequently sold.

Before riding, all riders must read this owner's manual and all other instructions which are supplied with the motorcycle in order to become thoroughly familiar with the correct operation of the motorcycle's controls, its features, capabilities and limitations. Do not lend your motorcycle to others as riding, either by the owner or borrower, when not familiar with the motorcycle's controls, features, capabilities and limitations can lead to an accident.

Table of Contents

This handbook contains a number of different sections. The table of contents below will help you find the beginning of each section where, in the case of the major sections, a further table of contents will help you find the specific subject required.

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Serial Numbers
General Information
How to Ride the Motorcycle
Accessories, Loading and Passengers
Maintenance and Adjustment
Storage
Specifications
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WARNING, CAUTION AND NOTE

Throughout this owner's handbook particularly important information is presented in the following form:

WARNING: This warning symbol identifies special instructions or procedures which, if not correctly followed could result in personal injury, or loss of life.

CAUTION: This caution symbol identifies special instructions or procedures which, if not strictly observed, could result in damage to, or destruction of, equipment.

NOTE:

 This note symbol Indicates points of particular Interest for more efficient and convenient operation.

NOISE CONTROL SYSTEM

TAMPERING WITH NOISE CONTROL SYSTEM PROHIBITED

Owners are warned that the law may prohibit:

- (a) The removal or rendering inoperative by any person other than for purposes of maintenance, repair or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use; and
- (b) the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

WARNING: This motorcycle is designed for on-road use only. It is not suitable for off-road use.

Off-road operation could lead to loss of control of the motorcycle resulting In an accident causing injury or loss of life.

WARNING: Never start your engine or let it run for any length of time in a closed area. The exhaust fumes are poisonous and may cause loss of consciousness and death within a short time. Always operate your motorcycle in the open-air or in an area with adequate ventilation.

WARNING: This motorcycle ls not designed to tow a trailer or be fitted with a sidecar. Fitting a sidecar and/or a trailer may result in loss of control and an accident.

WARNING: This motorcycle is designed for use as a two-wheeled vehicle capable of carrying a rider on his own, or a rider and one passenger (subject to a passenger seat being fitted).

The total weight of the rider, and any passenger, accessories and luggage must not exceed the maximum load limit of 477 lbs (217 kg) .



WARNING: GASOLINE IS HIGHLY FLAMMABLE:

Always turn off the engine when refuelling.

Do not refuel or open the fuel filler cap while smoking or in the vicinity of any naked flame.

Take care not to spill any gasoline on the engine, exhaust pipes or mufflers when refuelling.

If gasoline is swallowed, inhaled or allowed to get into the eyes, seek Immediate medical attention.

Splllage on the skin should be immediately washed off with soap and water and clothing soiled with gasoline should immediately be removed.

Burns and other serious skin conditions may result from contact with gasoline.

WARNING: The rider must A maintain control of the vehicle by keeping hands on the handlebars at all times.

The handling and stability of a motorcycle will be adversely affected if the rider removes his hands from the handlebars, resulting in loss of control or an accident.

WARNING: Always ride defensively and wear the protective equipment mentioned elsewhere in this foreword. Remember, in an accident, a motorcycle does not give the same impact protection as a car.

WARNING: Always turn off the engine and remove the ignition key before leaving the motorcycle unattended. By removing the key, the risk of use of the motorcycle by unauthorised or untrained persons is reduced.

When parking the motorcycle, always remember the following:-

The engine and exhaust system will be hot after riding. DO NOT park where pedestrians, animals and/or children are likely to touch the motorcycle.

Do not park on soft ground or on a steeply inclined surface. Parking under these conditions may cause the motorcycle to fall over.

For further details, please refer to the 'How to Ride the Motorcycle' section of this owner's handbook.

WARNING: Footrests provided must always be used by rider and passenger during operation of the vehicle.

By using the footrests, both rider and passenger will reduce the risk of inadvertent contact with any motorcycle components and will also reduce the risk of Injury from entragment of clothing.

WARNING: Never ride the motorcycle when fatigued or under the influence of alcohol or other drugs.

Riding when fatigued or under the Influence of alcohol or other drugs reduces the rider's ability to maintain control of motorcycle and may lead to loss of control and an accident.

Riding when under the Influence of alcohol or other drugs is illegal.



WARNING: GRINDING OF MAGNESIUM ALLOY PARTS

Magnesium alloy grinding fines are highly flammable.

Always ensure that correct procedures and equipment are used to avoid the risk of fire. Suitable protective flame-resistant clothing must be worn. Never permit naked flames, cutting and welding operations or smoking in the working area.

Magnesium alloy components incorporated in this motorcycle include the engine side covers and cam cover.

WARNING: Ensure that you know and respect the rules of the road. Read and observe publications such as 'MOTORCYCLE SAFETY', 'YOU AND YOUR MOTORCYCLE, RIDING TIPS' and also read and become familiar with the contents of the MOTORCYCLE HANDBOOK for your state.

WARNING: Use of a motorcycle with bank angle indicators worn beyond the maximum limit (when 10mm or more of the radiused tip of either front footrest is worn away) will allow the motorcycle to be banked to an unsafe angle.

Never change the setting of the gearchange rod or brake pedal pushrod as this may adversely affect the bank angle at which the bank angle indicators contact the ground.

Banking to an unsafe angle may cause instability, loss of control and an accident causing injury or death.

WARNING: Ensure all equipment which is required by law is installed and functioning correctly.

The removal or alteration of the motorcycles lights, mufflers, emission or noise control systems can violate the law.

Incorrect or improper modification may adversely affect the handling, stability or other aspect of the motorcycle operation which may result in an accident causing injury or death.

WARNING: If the motorcycle is involved in an accident or collision It must be taken to an authorised Triumph dealer for inspection and repair. Any accident can cause damage to the motorcycle which, if not correctly repaired, may cause a second accident which may result in injury or death.

WARNING: Consult your authorised Triumph dealer whenever there is doubt as to the correct or safe operation of this Triumph motorcycle.

Remember that continued operation of an incorrectly performing motorcycle may aggravate the fault and may also prejudice safety.

WARNING: When riding the motorcycle both rider and passenger must always wear a crash helmet, eye protection, gloves, pants (close fitting around the cuff and ankle) and a brightly coloured jacket. Brightly coloured clothing will considerably increase a rider's (and/or passenger's) visibility to other operators of road vehicles. Although full protection is not possible, wearing correct protective clothing can reduce the risk of injury when riding.

WARNING: Failure to wear a crash helmet increases the risk of serious injury or death in an accident. A crash helmet is one of the most important pieces of riding gear as it offers protection against head injuries. You and your passenger's crash helmet should be carefully chosen and should fit you or your passenger's head comfortably and securely. A brightly colored helmet will increase a rider's (or passenger's) visibility to other operators of road vehicles.

An open face helmet offers some protection in an accident though a full face helmet will offer more.

When choosing a helmet, always look for a DOT (Department of Transport) sticker Indicating that the helmet has DOT approval. Do not buy a helmet without DOT approval,

Always wear a visor or approved goggles to help vision and to protect your eyes.

WARNING: This Triumph motorcycle should be operated within the legal speed limits for the particular road travelled,

Operating a motorcycle at high speeds can be potentially dangerous since the time available to react to given traffic situations is greatly reduced as road speed increases.

Always reduce speed in potentially hazardous driving conditions such as bad weather or heavy traffic.

WARNING: Owners should be aware that the only approved parts, accessories and conversions for any Triumph motorcycle are those which carry official Triumph approval and are fitted to the motorcycle by an authorised dealer.

Triumph does not accept any liability whatsoever for defects caused by the fitting of non-approved parts, accessories or conversions or the fitting of any approved parts, accessories or conversions by non-approved personnel.

in particular, it is extremely hazardous to fit or replace parts or accessories whose fitting requires the dismantling of, or addition to, either the electrical or fuel systems and any such modification could cause a safety hazard.

The fitting of any non-approved parts, accessories or conversions may adversely affect the handling, stability or other aspect of the motorcycle operation which may result in an accident causing injury or death.

WARNING: This Triumph motorcycle is not fitted with spark arresters. Operation in forests, brush or grass areas may violate state and local laws and regulations

WARNING: Continually observe and react to changes in road surface, traffic and wind conditions. All two-wheeled vehicles are subject to external forces which may cause an accident. These forces include but are not limited to:

- Wind draft from passing vehicles.
- Uneven or holed road surfaces.
- Bad weather.
- · Rider error.

Always operate the motorcycle at moderate speed and away from heavy traffic until you have become thoroughly familiar with its handling and operating characteristics. Never exceed the legal speed limit.

WARNING: WOBBLE/WEAVE
These are related but distinct
handling problems usually caused by
excessive weight in the wrong place
or mechanical problems.

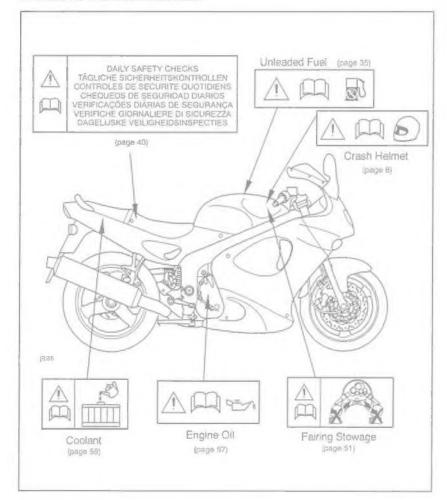
A weave is an oscillation of the rear of the motorcycle while a wobble is a rapid shaking of the handlebar.

The difference is academic since the solution is the same. Keep a firm hold on the handlegrips but don't lock your arms and fight them. Ease off the throttle as you move your weight down and forward. And don't believe the 'old timers' who say to accelerate through a wobble. It doesn't work.

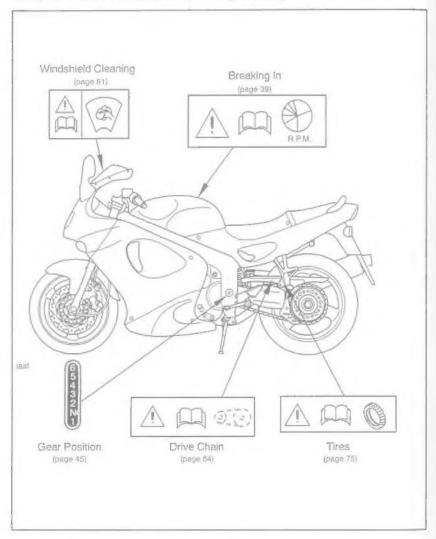
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WARNING LABEL LOCATION - SPRINT ST

The labels detailed on this and the following page draw your attention to information in this handbook. Before riding, ensure that all riders have understood and complied with all the information to which these labels relate.

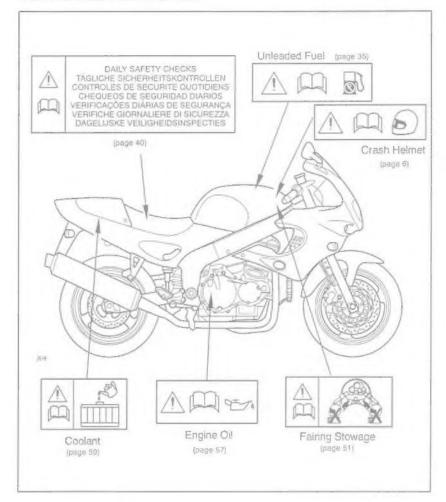


WARNING LABEL LOCATION - SPRINT ST (continued)

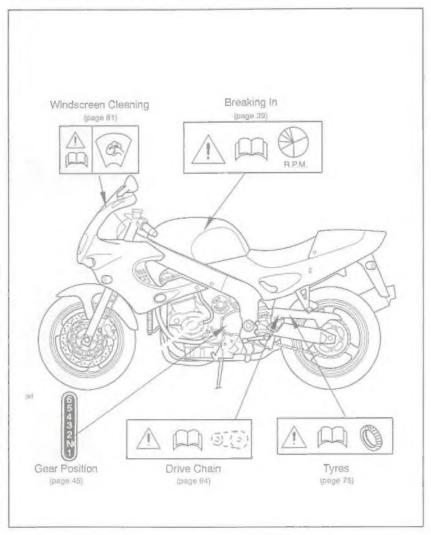


WARNING LABEL LOCATION - SPRINT RS

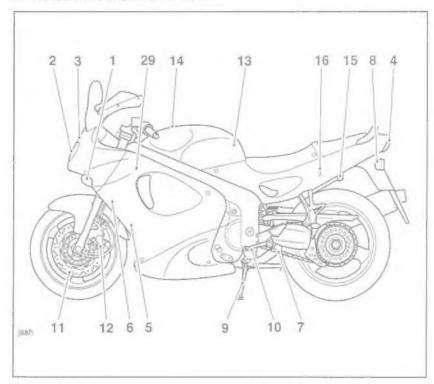
The labels detailed on this and the following page draw your attention to information in this handbook. Before riding, ensure that all riders have understood and complied with all the information to which these labels relate.



WARNING LABEL LOCATION - SPRINT RS (continued)



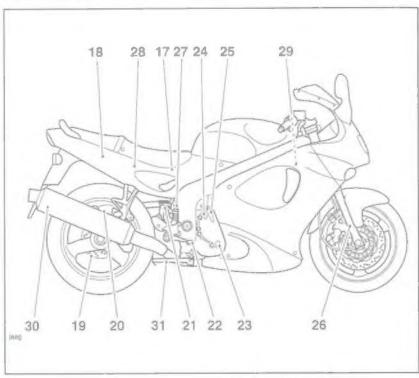
PARTS IDENTIFICATION - SPRINT ST



- 1. Front Indicator
- 2. Headlamp
- 3. Position Lamp
- 4. Rear Lamp
- 5. Oil Cooler
- 6. Radiator
- 7. Drive Chain
- B. Rear Indicator

- 9. Side Stand
- 10 Gearchange Pedal
- 11. Front Brake Disc
- 12 Front Brake Caliper
- 13 Fuel Tank
- 14 Fuel Filler Cap
- 15. Seat Lock
- 16 Coolant Expansion Tank

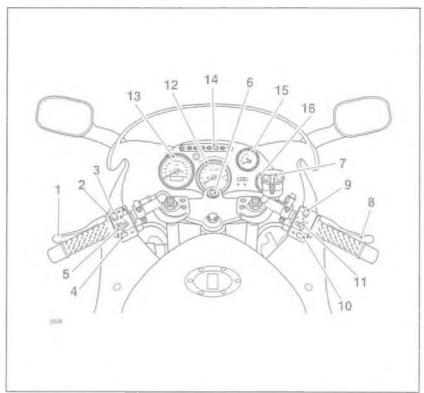
PARTS IDENTIFICATION - SPRINT ST (continued)



- 17. Battery
- 18. Tool Kit
- 19. Rear Brake Disc
- 20. Rear Brake Caliper
- 21. Rear Brake Fluid Reservoir
- 22. Rear Brake Pedal
- 23. Oil Level Sight Glass
- 24. Oil Filler Plug

- 25. Clutch Cable
- 26. Front Fork
- 27 Rear Suspension Unit
- 28. Engine Management ECM
- 29 Coolant Pressure Cap
- 30 Silencer
- 31 Centre Stand

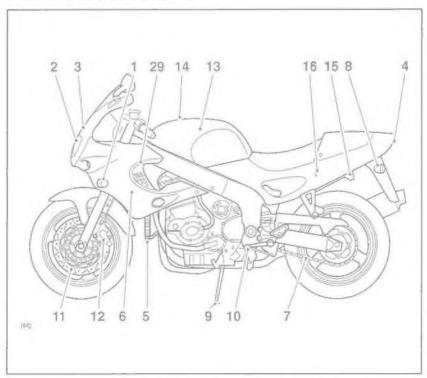
PARTS IDENTIFICATION - SPRINT ST (continued)



- 1. Clutch Lever
- 2. Passing Button
- 3. Headlamp Dipswitch
- 4. Horn Button
- 5. Indicator Switch
- 6. Ignition Switch
- 7. Front Brake Fluid Reservoir
- 8. Front Brake Lever

- 9. Engine Stop Switch
- 10. Starter Button
- 11. Headlight Switch
- 12 Tachometer
- 13. Speedometer
- 14. Warning Lights
- 15. Fuel Gauge
- 16. Coolant Temperature Gauge

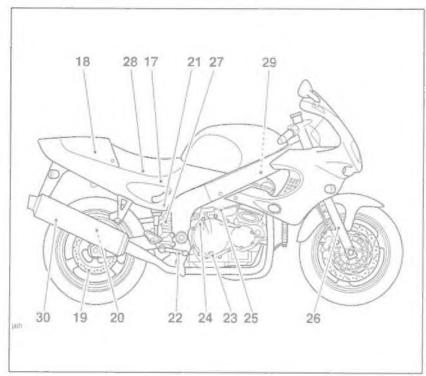
PARTS IDENTIFICATION - SPRINT RS



- 1. Front Indicator
- 2. Headlamp
- 3. Position Lamp
- 4. Rear Lamp
- 5. Oil Cooler
- 6 Radiator
- 7 Drive Chain
- 8. Rear Indicator

- 9, Side Stand
- 10. Gearchange Pedal
- 11. Front Brake Disc
- 12. Front Brake Caliper
- 13. Fuel Tank
- 14. Fuel Filler Cap
- 15. Seat Lock
- 16. Coolant Expansion Tank

PARTS IDENTIFICATION - SPRINT RS (continued)

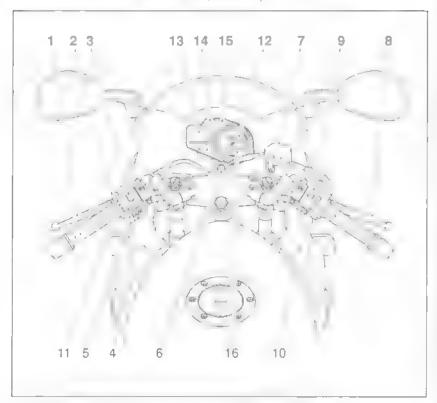


- 17, Battery
- 18. Tool Kit
- 19. Rear Brake Disc
- 20. Rear Brake Caliper
- 21. Rear Brake Fluid Reservoir
- 22. Rear Brake Pedal
- 23. Oil Level Sight Glass

- 24. Oil Filler Plug
- 25. Clutch Cable
- 26. Front Fark
- 27. Rear Suspension Unit
- 28. Engine Management ECM
- 29. Goolant Pressure Cap
- 30_ Silencer

Parts Identification

PARTS IDENTIFICATION - SPRINT R\$ (continued)

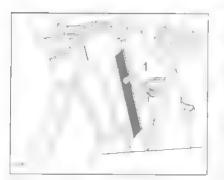


- 1. Clutch Lever
- 2 Passing Button
- 3 Headlamp Dipswitch
- 4 Horn Button
- 5 Indicator Switch
- 6. Ignition Switch
- 7 Front Brake Fluid Reservoir
- B. Front Brake Lever

- 9 Engine Stop Switch
- 10 Starter Button
- 11 Headight Switch
- 12 Tachometer
- 13 Speedometer
- 14 Warning Lights
- 15 Low Fuel Warning
- 16 Coolant Temperature Gauge

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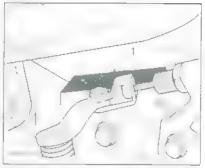
Serial Numbers



1. V.I.N. Number

Vehicle Identification Number (V.I.N.)

The vehicle identification number is stamped into the steering head. In addition it is displayed on a laber which is also adjacent to the steering head.



1. Engine Serial Number

Engine Serial Number

The engine serial number is stamped on the crankcase immediately above the clutch cover

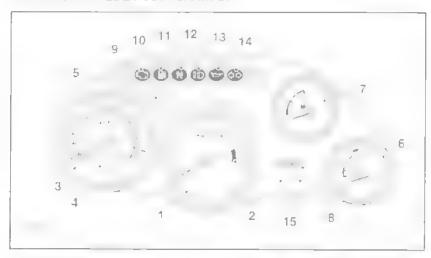
Serial Numbers

THIS PAGE IS INTENTIONALLY FREE FROM INFORMATION

General Information

Contents Warning Lights gnition Key ignition Switch/Steering Lock Right Handlebar Switches - ST Left Handlebar Switches - ST ... Right Handlebar Switches - RS Left Hand ebar Switches - RS Fuel Requirement Fuel Tank Cap . r 10 ' ,Hл + -Handbook Storage Seat Lock Operation/Seat Removal Electrical Accessory Socket Breaking-in Safe Operation

INSTRUMENT PANEL LAYOUT - SPRINT ST



- 1. Tachometer
- 2. Tachometer 'Red Zone
- 3. Speedometer
- 4. Odometer/Trip Meter
- 5. Trip Meter Reset Knob
- 6. Coolant Temperature Gauge
- 7. Fuel Gauge
- 8. Clock

SPEEDOMETER - ST

The speedometer indicates the road speed of the motorcycle

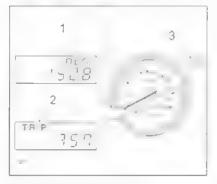
In the speedometer face are the electronic odometer and trip meter. For details of the operation of the odometer and trip meter please refer to the next page.

- Engine Management Malfunction Indicator Light
- 10. Low Fuel Level Indicator Light
- 11. Neutral Indicator Light
- 12. High Beam Indicator Light
- 13. Low Oil Pressure Warning Light
- 14. Turn Signal Indicator light
- 15. Clock Adjustment Buttons

TACHOMETER - ST

The tachometer shows the engine speed in revolutions per minute – rpm (r/min). On the right side of the tachometer face is the 'red zone. Engine rpm (r min) in the red zone is above. maximum recommended engine speed and is also above the range for best performance.

CAUTION: Never allow engine RPM to enter the 'red zone' as severe engine damage may result.



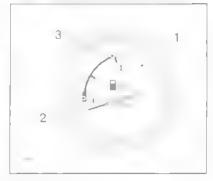
- 1. Odometer Display
- 2. Trip Meter Display
- 3. Change over/Reset Button

ODOMETER/TRIP METER - ST

The odometer shows the total distance that the motorcycle has travelled. The trip meter shows the distance that the motorcycle has travelled since the meter was last reset to zero.

To switch between the odometer and trip meter display modes, press and release the change-over/reset button situated between the speedometer and tachometer. As well as showing the distance travelled, in trip meter mode the word 'TRIP 's displayed and in odometer mode, the word ODO is displayed.

To reset the trip meter to zero, switch the display to trip meter mode, then press and hold the button until the numerals return to zero.



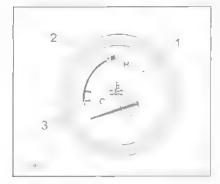
- 1. Fuel Gauge
- 2. Low level
- 3. Full level

FUEL GAUGE - ST

The fuel gauge indicates the approximate level of fuel in the fuel tank

When the fuel tank is full, the gauge will point to the "1" mark and when empty, to the "0" mark. Other gauge markings indicate intermediate fuel levels between full and empty.

When the gauge pointer reaches the beginning of the 'red zone' area of the gauge refuel at the earliest opportunity



- 1. Temperature Gauge
- 2. Red Zone
- 3. Cold Marking

COOLANT TEMPERATURE GAUGE - ST

The coolant temperature gauge indicates the temperature of the engine coolant. If the temperature gauge needle moves into the red zone, this indicates that the engine is overheating.

CAUTION. Do not continue to run the engine if the gauge needle enters the 'red zone' as severe engine damage may result.



- 1. Clock
- 2. Hours Adjustment Button
- 3. Minutes Adjustment Button

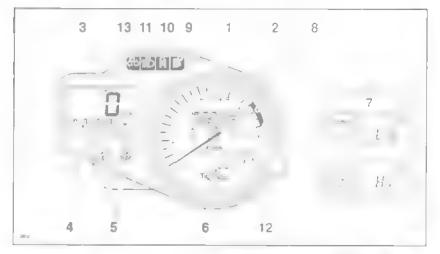
CLOCK - ST

The clock displays the time of day in hours and minutes

To adjust the hour display press and release the left hand button. Each press will change the clock setting by one hour.

To adjust the minute display press and release the right hand button. Each press will change the clock setting by one minute.

INSTRUMENT PANEL LAYOUT - SPRINT RS



- 1. Tachometer
- 2. Tachometer 'Red Zone'
- 3. Speedometer
- 4. Odometer/Trip Meters/Clock Display
- 5. Select/Reset Buttons
- 6. Coolant Temperature Display
- 7. High Coolant Temperature/ Low Oil Pressure Warning Messages

SPEEDOMETER - RS

The digital speedometer indicates the road speed of the motorcycle. The read-out displays the motorcycle road speed in increments of one kilometer (or mile) per hour.

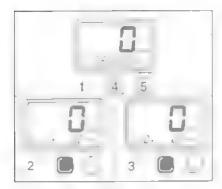
In the speedometer face is the electronic odometer, two trip meters and the clock. For details of the operation of the odometer, trip meters and clock, please refer to the following pages.

- 6. Engine Management Malfunction Indicator Light
- 9. Low Fuel Level Indicator Light
- 10. Neutral Indicator Light
- 11. High Beam Indicator Light
- 12. Low Oll Pressure/High
 Coolant Temperature Warning Light
- 13. Turn Indicator light

TACHOMETER - RS

The tachometer shows the engine speed in revolutions per minute – rpm (r/min). On the right side of the tachometer face is the 'red zone. Engine rpm (r min) in the red zone is above. maximum, recommended engine speed and is also above the range for best performance.

CAUTION: Never allow engine RPM to enter the 'red zone' as severe engine damage may result.



- 1. Odometer Display
- 2. Trip Meter 1 Display
- 3. Trip Meter 2 Display
- 4. Select Button
- 5. Reset Button

ODOMETER/TRIP METER CLOCK - RS

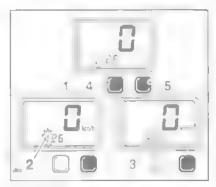
The odometer shows the total distance that the motorcycle has travelled

There are two trip meters. Either trip meter shows the distance that the motorcycle has travelled since the meter on display was last reset to zero. Also located in the same display frame is the clock.

To switch between the odometer, trip meter and clock display modes press and release the left hand 'select button. The display will scroll through in the order.

- odometer
- trip meter 1.
- trip meter 2
- e clock

To reset either of the trip meters to zero select and display the trip meter to be zeroed and press the right hand 'reset button to set the display to zero.



- 1. Clock Display
- 2. Hours Read-out
- 3. Minutes Read-out
- 4. Select Button
- 5. Reset Button

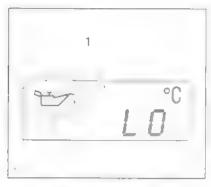
CLOCK ADJUSTMENT - RS

To reset the clock select the clock display and press both 'select and reset buttons together. After a short time, the clock's hour display will start to flash.

To reset the hour display, ensure that the hour display is still flashing then depress the reset button to change the setting. Each individual press will change the setting by one digit. If the button is held, the display will continuously scroll through in single digit increments.

When the correct hour display is shown press the select' button, the minutes display wil, begin to flash. The minutes display is adjusted in the same way as for hours.

Once both hours and minutes are correctly set press the 'select button to confirm the setting. The disp ay will cease to flash.



Low Olf Pressure Display LOW OIL PRESSURE WARNING - RS

If sufficient oil pressure is present the display will not appear

With the engine running, if the oil pressure becomes dangerously low, the low oil pressure symbol in the temperature display will flash. In addition, the low oil pressure warning light in the tachometer will illuminate.

CAUTION: Stop the engine immediately if the low oil pressure warning appears. Do not restart the engine until the fault has been rectified. Severe engine damage will result from running the engine with low oil pressure.

The low oil pressure symbol will flash and the low oil pressure warning in the tachometer will illuminate if the ignition is switched on without running the engine

If the cod ant temperature is below 40°C, the word 'LO' will also appear in the display. This does not indicate low oil pressure. It does however indicate that the coolant temperature is low.



Coolant Temperature Gauge COOLANTTEMPERATURE GAUGE - RS

The coolant temperature gauge indicates the temperature of the engine coolant

When the ignition is switched on, with the engine coid the word LO will be displayed indicating that the coolant is below 40°C (114°F). Once the coolant temperature rises above 40°C (114°F), the temperature in degrees will be displayed.

If the coolant temperature reaches 120°C (248°F) the high temperature warring in the temperature display, and the temperature read-out will both begin to flash. The warning ght in the tachometer will also be auminated.

If the coolant temperature reaches 129°C (266°F) their ghitemperature warning in the temperature display will flash and the flashing word. Hi' will appear in piace of the temperature display. The warning light in the tachometer will also be disminated.

CAUTION: Do not continue to run the engine if the high temperature warnings are displayed as severe engine damage may result.

WARNING LIGHTS - BOTH MODELS

TURN SIGNALS When the turn signal switch is turned to left or right, the corresponding turn signal light flashes on and off

HIGH BEAM: When the headlights are switched on and the headlight dip switch is set to high beam', the high beam warning oght will illuminate

LOW FUEL: The low fuel indicator will illuminate when there are approximately 3 litres of fuel remaining in the tank

LOW OIL PRESSURE - ST MODEL ONLY (RS Model - see previous page): The low oil pressure warning light becomes illuminated whenever the oil pressure is dangerously low (or the ignition switch is in the ON' position with the engine not running). When the engine is running the light will remain off when sufficient oil pressure is present.

When starting the motorcycle check that the light comes on when the ignition is in the ON' position but goes out as soon as the engine starts.

CAUTION: Stop the engine immediately if the low oil pressure warning is illuminated. Do not restart the engine until the fault has been rectified. Severe engine damage will result from running the engine with low oil pressure.

NEUTRAL: The neutral warning light indicates when the transmission is in neutral (no gear selected). The warning light will illuminate when the transmission is in neutral with gnition switch in the ON position.

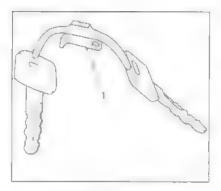


ENGINE MANAGEMENT SYSTEM MALFUNCTION INDICATOR LIGHT:

INDICATOR LIGHT; The malfunction indicator light for the engine management system illuminates when the ignition is switched on remains illuminated during starting and goes out shortly after the engine starts.

If the malfunction indicator light becomes illuminated during riding, a fault has occurred in the engine management system in this case the system will switch to timp-home' mode so that riding may continue. Contact an authorized Triumph dealer as soon as possible to have the fault checked out and rectified.

WARNING: Do not continue to ride for a long period with the malfunction indicator light illuminated. The fault which has occurred may affect engine performance and fuel consumption. Reduced engine performance could cause a dangerous riding condition, leading to loss of control and an accident



Key Number Tag

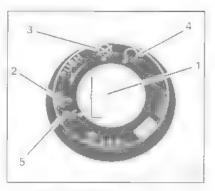
IGNITION KEY

In addition to operating the steering lock/ignition switch, the ignition key is required to operate the seat lock and fue tank cap.

When the motorcycle is delivered from the factory, two keys are supplied together with a small tag bearing the key number. Make a note of the key number and store the spare key and key number tag in a safe place away from the motorcycle.

Your authorized Triumph dealer can supply a replacement key cut from details of the key number or can cut a new key using the original as a master

CAUTION: Do not store the spare key with the motorcycle as this will reduce all aspects of security.



- 1. Ignition Switch/Steering Lock
- 2. LOCK position
- 3. OFF position
- 4. ON position
- 5. P (Park) position

IGNITION SWITCH STEERING LOCK

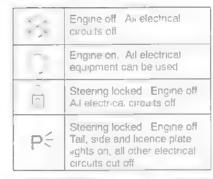
This is a four position, key operated switch The key can be removed from the switch only when it is in the OFF LOCK or P (PARK) position

TO LOCK: Turn the key to the OFF position push and fully release the key, then rotate it to the LOCK position

'PARKING': Turn the key from the LOCK position to the 'P' position. The steering remains locked.

NOTE:

 Do not leave the steering lock in the 'P' position for long periods as this will cause the battery to discharge.



WARNING: For reasons of security and safety, always turn the ignition to 'OFF' and remove the key when leaving the motorcycle unattended.

Any unauthorized use of the motorcycle may cause injury to the user, other road users and pedestrians and may also cause damage to the motorcycle.

WARNING: With the key in the 'LOCK' or 'P' position the steering will become locked.

Never turn the key to 'Lock' or 'P' while the motorcycle is moving as the steering will lock. Locked steering will cause loss of control and an accident.



- 1. Lever Adjuster Wheel
- 2. Triangular Reference Mark

BRAKE LEVER ADJUSTER

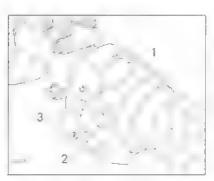
An adjuster is fitted to the front brake lever. The adjuster allows the distance from the handlebar to the brake lever to be changed one of four positions to suit the span of the operator's hands.

To adjust the lever, push the lever forward and turn the adjuster wheel to align one of the numbered positions with the triangular mark on the lever holder.

The distance from the hand grip to the released lever is shortest when set to number four and longest when set to number one

WARNING: Do not attempt to adjust the brake lever with the motorcycle in motion as this may lead to loss of control and an accident.

After adjusting the lever, operate the motorcycle in an area free from traffic to gain familiarity with the new lever setting. Do not loan your motorcycle to anyone as they may change the lever setting from the one you are familiar with causing loss of control or an accident.



- 1. Engine Stop Switch
- 2. Starter Button
- 3. Headlight Switch

RIGHT HANDLEBAR SWITCHES - ST

Engine Stop Switch - ST
In addition to the ignition switch being turned to the 'ON' position, the engine stop switch must be in the Oposition for the motorcycle to operate

The engine stop switch is for emergency use. If an emergency arises which requires the engine to be stopped, move the engine stop switch to the \bowtie position.

NOTE.

 Although the engine stop switch stops the engine, it does not turn off all the electrical circuits Ordinarily, the fignition switch should be used to stop the engine.

CAUTION: Do not leave the ignition switch in the 'ON position unless the engine is running as this may cause damage to electrical components and the battery.

Starter Button - ST

The starter button operates the electric starter. For the starter to operate the transmission must be in neutral and the crutch lever pulled to the hand ebar.

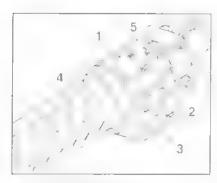
NOTE.

 Even if the clutch lever is pulled in, the starter will not operate if the side stand is down and a gear is engaged.

Headlight Switch - ST

To change switch position, thus turning the lights on or off, push the switch to the left or right. The table below indicates which lights become illuminated in each switch position.

0	The head ight is turned off when the switch is in the OFF position
	The side tall icence plate and instrument lights come on if the switch is pushed to the first position with the ignition switch in the ON position
u	The head side tail I cence plate and instrument lights come on if the switch is pushed forward to the second position with the ignition in the ON position.



- 1. Headlight Dip Switch
- 2. Direction Indicator Switch
- 3. Horn Button
- 4. Passing Button
- 5. Hazard Warning Light Switch

LEFT HANDLEBAR SWITCHES - ST

High or low beam can be selected with the headlight dip switch. To select high beam, push the switch forward. To select low beam push the switch rearwards.

Headlight Dlp Switch - ST

When the high beam is turned on, the high beam warning light will i luminate

Turn Signal Switch - ST

To turn off the turn signals push and release the switch

Horn Button - ST

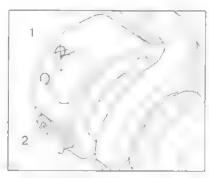
When the horn button is pushed with the ignition switch turned to the ON position the horn will sound

PASS Pass Button - ST

When the pass button is pressed, the headlight main beam will be switched on it will remain on as long as the button is held in and will turn off as soon as the button is released.

Hazard Warning Light Switch - ST

When the hazard warning button is pushed in, both left and right indicators flash together. The hazard warning works when the ignition is in the ON or 'P' (PARK) position only. To turn off the hazard warning lights, push and release the switch button.



- 1. Engine Stop Switch
- 2. Starter Button

RIGHT HANDLEBAR SWITCHES - RS

Engine Stop Switch - RS
In addition to the ignition switch
being turned to the ON' position, the engine
stop switch must be in the O position for the
motorcycle to operate

The engine stop switch is for emergency use if an emergency anses which requires the engine to be stopped, move the engine stop switch to the position

NOTE

 Although the engine stop switch stops the engine, it does not turn off all the electrical circuits.
 Ordinarily, the ignition switch should be used to stop the engine.

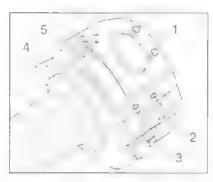
CAUTION: Do not leave the ignition switch in the 'ON' position unless the engine is running as this may cause damage to electrical components and the battery.

Starter Button - RS

The starter button operates the electric starter. For the starter to operate the transmission must be in neutral and the clutch lever pulled to the handlebar.

NOTE:

 Even if the clutch lever is pulled in, the starter will not operate if the side stand is down and a gear is engaged.



- 1. Headlight Dlp Switch
- 2. Direction Indicator Switch
- 3. Horn Button
- 4. Passing Button
- 5. Headlight Switch

LEFT HANDLEBAR SWITCHES - RS Headlight Switch - RS

0	The headlight is turned off when the switch is in the OFF position
-:DO:-	The side tail licence plate and instrument lights come on if the switch is pushed to the first position with the gnition switch in the ON position
£.	The head side tail, licence plate and instrument lights come on if the switch is pushed forward to the second position with the griftion in the ON position.

Headlight Dip Switch - RS

High or low beam can be selected with the headlight dip switch. To select high beam, push the switch forward. To select low beam, push the switch rearwards.

When the high beam is turned on the high beam warning light will illuminate

Turn Signal Switch - RS

When the indicator switch is pushed to (left) or (right) and released the corresponding indicator flashes

To turn off the indicators, push and release the switch

Horn Button - RS

When the horn button is pushed, with the ignition switch turned to the 'ON position, the horn will sound

PASS

Pass Button - RS

When the pass button is pressed the headlight main beam will be switched on it will remain on as long as the button is held in and will turn off as soon as the button is released.

FUEL REQUIREMENT



Your Triumph engine is designed to use unleaded fuel and will give opt.mum performance if the correct grade of fuel is used. Always use unleaded fuel with an octane rating of 95 RON.

CAUTION: The use of leaded gasoline is illegal in some countries, states or territories. Check local regulations before using leaded gasoline.

Oxygenated Gasoline

To help in meeting clean air standards some areas of the U.S. use oxygenated gasoline to help reduce harmful emissions. These gasolines are a blend of conventional gasoline and another compound such as alcohol. This Triumph motorcycle will give its best performance when using unleaded gasoline. However, the following should be used as a guide if you use any oxygenated fuels.

Ethanol

Ethanol fuel is a mixture of 10% Ethanol and 90% gasoline and is often described under the names gasohol. Ethanol enhanced', or contains Ethanol. This fuel may be used in your Triumph motorcycle.

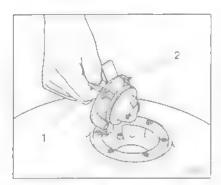
MTBE (Methyl Tertlary Butyl Ether)

The use of gasolines containing up to 15% MTBE (Methyl Tertiary Butyl Ether) is permitted in this Triumph motorcycle.

Methanol

CAUTION: Fuels containing methanol should not be used as damage to components in the fuel system can be caused by contact with methanol.

CAUTION: Because of the generally higher volatility of oxygenated fuels, starting, engine response and fuel consumption may be adversely affected by their use. Should any of these difficulties be experienced, run the motorcycle on normal unleaded gasoline.



1. Ignition Switch Key

2. Fuel Tank Cap

Refuelling

Avoid filling the tank in rainy or dusty conditions where airborne material can contaminate the fuer

CAUTION: Contaminated fuel may cause damage to fuel system components.

FUEL TANK CAP

To open the fuel tank cap lift up the key hole cover. Insert the key into the lock and turn the key clockwise.

To close and lock the cap push the cap down into place, with the key inserted until the lock clicks' into place. Withdraw the key

CAUTION: Closing the cap without the key inserted will damage the cap, tank and lock mechanism.

WARNING: Gasoline (fuel) is highly flammable and can be explosive under certain conditions. When refuelling, turn the ignition switch to the 'OFF' position.

Do not smoke.

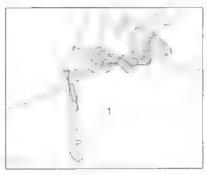
Make sure the refuelling area is well ventilated and free from any source of flame or sparks. This includes any appliance with a pilot light.

Never fill the tank until the fuel level rises into the filler neck. If the tank is filled until the fuel rises into the filler neck, heat from sunlight or other sources may cause the fuel to expand and overflow creating a fire hazard.

After refuelling, make sure the tank cap is closed securely.

WARNING: Take care not to spill any gasoline (fuel) on the engine, exhaust pipes, tires or any other part of the motorcycle.

If gasoline (fuel) is spilled, thoroughly wipe off the spilled fuel immediately



1. Side Stand

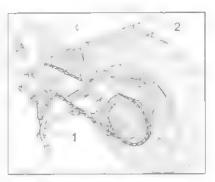
STANDS

Side Stand - Both Models

The motorcycle is equipped with a side stand on which the motorcycle can be parked

NOTE:

- When using the side stand, always turn the handlebars to the left.
- Whenever the side stand is used, make it a practice to ensure that the stand is fully up after first sitting on the motorcycle.



1. Centre Stand

2. Lifting Handle

Centre Stand (ST Only)

To set the motorcycle up on the centre stand step down firmly on the foot-finder part of the stand and then lift the motorcycle up and to the rear using the lifting handle as a handhold

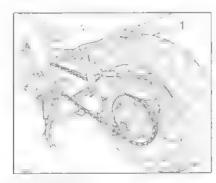
Lifting Handle (ST Only)

The ifting handle is located on the left hand side of the motorcycle paralle with the ower edge of the side panel.

Always use the lifting handle to park the motorcycle on the centre stand

WARNING: Do not use the side panel or seat as a hand-hold when placing the motorcycle on the centre stand as this will cause damage.

Always use the lifting handle to park the motorcycle on the centre stand.



1 Seat Lock

SEAT LOCK

The seat lock is situated on the left hand side of the motorcycle at the rear end of the lifting handle

To remove the seat, insert the gnition key into the seat lock and turn the key anti-clockwise while pressing down on the rear part of the seat.

To detach the seat lift the rear of the seat and slide the seat rearwards

To refit the seat, engage the front section of the seat to the fuel tank and press down on the rear to engage in the seat lock.

Finally grasp the seat and check that the rear seat is secure in the seat lock

NOTE

 An audible 'chick' can be heard when the seat/seat cover is correctly engaged in the lock.



1. Electric Accessory Plug

ELECTRICAL ACCESSORY SOCKET (ST Only)

An electrical accessory socket is provided on the left hand side of the motorcycle

The socket will provide a 12 volt electricity supply. The socket is protected by a 10 amp fuse therefore items with a current draw greater than 10 amps must not be plugged into the socket.

A plug, suitable for use with the accessory socket, is available from your authorised Triumph dealer

TOOL KIT

The tool kit is strapped into a recess beneath the seat

HANDBOOK STORAGE

To gain access to the handbook iremove the seat

BREAKING-IN

The first 1000 miles that the motorcycle is ridden is designated the breaking-in period.



- The table below shows maximum recommended engine speeds during breaking-in'
- These maximum speeds must be strictly adhered to during this period

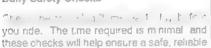
Distance Travelled	Maximum Engine Speed		
0-100 miles	3500 rpm (r m)n)		
100-300 miles	5000 rpm (r m n)		
300-600 m les	(n.m.n, mq1 0000		
600-800 miles	7000 rpm r min)		
800-1000 miles	8000 rpm r min)		

- Do not ride away or race the engine immediately after starting. Run the engine at idle for a short period of time to allow the oil to circulate to all parts of the engine.
- . Do not race the engine while the transmission is in neutral
- Do not use full throttle.
- Avoid riding continuously at one speed, vary the speed of the motorcycle from time to time
- Regularly check that the coolant temperature gauge does not indicate that the engine is overheating. Stop immediately if overheating is indicated and allow the engine to cool.
- Do not allow the engine to 'tabor' in any gear.

General Information

SAFE OPERATION

Dally Safety Checks





DAILY SAFETY CHECKS
TÄGLICHE SICHERHEITSKONTRÖLLEN
CONTROLES DE SECURITE QUOTIDIENS
CHEQUEOS DE SEGUR DAD DIAR O°

VERIFICHE GIORNALIERE DI SICUREZZA DAGELUSKE VEILIGHEIDSINSPECTIES

If any irregularities are found during these checks, refer to the Maintenance and Adjustment section or see your authorized Triumph dealer for the action required to return the motorcycle to a safe operating condition.

WARNING: Failure to perform these checks every day before you ride may result in serious motorcycle damage or an accident causing serious injury or death.

Check:-

P	Fuel	Adequate supply in tank, no fuel leaks (Pa	ge 37)
	Engine oil	Correct level on sight plass. Add correct s	necific

 Engine all Correct level on sight glass Add correct specification or as required (Page 56)

Tires/Wheels . . . Correct inflation pressures (when cold) (Page 74)
 Tread depth/wear (min 2.0 mm tread depth), tire/wheel damage punctures etc

Drive chain . . . Check drive chain for correct adjustment (Page 63)

Nuts, bolts,

fasteners Check that steering and suspension components axies, and

all controls are properly highlened or fastened. Visually inspect all areas for loose/damaged fixings.

 Steering . . Action smooth but not loose from lock to lock. No binding of any of the control cables (Page 69).

Brakes . . Brake pad wear. There should be more than 1.5 mm lining remaining. No brake fluid leakage. Brake fluid levels must

be between max and min (Page 67)

Front Forks . Smooth action. No fork oil leakage (Page 71).

 Throtte Thrott e gnp play 2-3 mm Ensure that the throttle gnp returns to the idle position without sticking (Page 61)

Clutch ... Smooth operation and correct cable free play (Page 62)

Page 40

General Information

0	Coolant	No coolant leakage Check the coolant level in the expansion tank (when the engine is cold) (Page 58)
	Electrical equipment	All lights and hom function correctly (Page 32 & 35)
,	Engine stop	Stop switch turns the engine off (Page 32 & 34)
۰	Stands	Return to the fully up position by spring tension. Return springs not weak or damaged (Page 37).

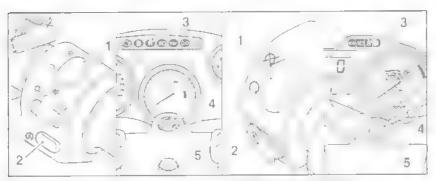
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General Information

THIS PAGE IS INTENTIONALLY FREE FROM INFORMATION

How to Ride the Motorcycle

Contains	
To Stop the Engine	
To Start The Engine	
Moving Off	45
Changing Gears .	
Braking	11
Parking	6 a a >10
Considerations For High Speed Operation	. 49



- 1. Engine Stop Switch
- 2. Starter Button
- 3. Neutral Indicator Light
- 4. On Position
- 5. Ignition Switch

TO STOP THE ENGINE

- Close the throttle complete y
- Select neutral
- Turn the ignition switch off
- Support the motorcycle on a firm level surface with the side stand
- Lock the steering

CAUTION: The engine should normally be stopped by turning the Ignition switch off. The engine stop switch is for emergency use only.

Do not leave the ignition switched on with the engine stopped. Electrical damage may result.

TO START THE ENGINE

- Check that the engine stop switch is in the run position
- Ensure that the transmission is in neutral
- Pull the clutch ever fully in to the handlebar
- Turn the ign tion switch on
- Leaving the throttle completely closed, push the starter button until the engine starts

NOTE:

 In very cold conditions, part open the throttle to aid starting. Return throttle to the closed position once the engine has started.

WARNING: Never start the engine or run the engine in a confined area. Exhaust fumes are polsonous and can rapidly cause loss of consciousness and death within a short time.

Always operate your motorcycle in the open-air or in an area with adequate ventilation. CAUTION: Do not operate the starter continuously for more than 5 seconds as the starter motor will overheat and battery power will drop. Walt 15 seconds between each operation of the starter to allow for cooling and recovery of battery power

Do not let the engine idle for long periods as this may lead to overheating which will cause damage to the engine.

NOTE

- If the engine is flooded, crank the engine over, with the throttle fully open.
- The motorcycle is equipped with starter lockout switches. The switches prevent the electric starter from operating when the clutch is engaged and the transmission is not in neutral.

CAUTION: The low oil pressure warning light should go out as soon as the engine starts.

If the low oil pressure warning light stays on after starting the engine. stop the engine immediately and investigate the cause.

flunning the engine with low oil pressure will cause severe engine damage

MOVING OFF

 Put in the clutch lever and select first gear. Open the throttle slightly and let out the clutch lever slowly. As the clutch starts to engage, open the throttle a little more allowing enough engine speed to avoid stalling.



1. Gear Change Pedal

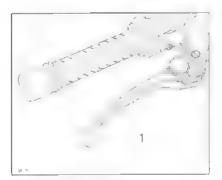
CHANGING GEARS

 Crose the throttle while pulling in the clutch lever. Change into the next higher or lower gear. Open the throttle part way while releasing the clutch lever. Always use the clutch when changing gear.

NOTE

 The gear change mechanism is the 'positive stop' type. This means that, for each movement of the gear change pedal, you can only select each gear, one after the other, in ascending or descending order.

WARNING: Do not change to a lower gear at speeds which will cause excessive engine rpm (r/min). This can lock the rear wheel causing loss of control and an accident. Engine damage may also be caused. Changing down should be done below 5000 rpm (r/min) for each gear



1. Front Brake Lever

BRAKING



WARNING: WHEN BRAKING.
OBSERVE THE FOLLOWING:

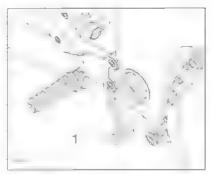
Close the throttle completely, leaving the clutch engaged to allow the engine to help slow down the motorcycle.

Change down one gear at a time such that the transmission is in first gear when the motorcycle comes to a complete stop.

When stopping, always apply both brakes at the same time. Normally the front brake should be applied a little more than the rear

Change down or fully disengage the clutch as necessary to keep the engine from stalling

Never lock the brakes, as this may cause loss of control of the motorcycle and an accident.



1. Rear Brake Pedal

WARNING: For emergency braking, disregard down changing, and concentrate on applying the front and rear brakes as hard as possible without skidding. Riders should practice emergency braking in a traffic-free area.

Triumph strongly recommend that all riders take a course of instruction which includes advice on safe brake operation. Incorrect brake technique could result in loss of control and an accident.

WARNING: For your safety, always exercise extreme caution when braking, accelerating or turning as any incautious action can cause loss of control and an accident, independent use of the front or rear brakes reduces overall braking performance. Extreme braking may cause either wheel to lock, reducing control of the motorcycle and causing an accident.

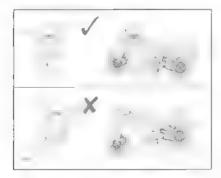
When possible, reduce speed or brake before entering a turn as closing the throttle or braking in mid-turn may cause wheel slip leading to loss of control and an accident.

When riding In wet or rainy conditions, or on loose surfaces, the ability to manoeuvre and stop will be reduced. All of your actions should be smooth under these conditions. Sudden acceleration, braking or turning may cause loss of control and an accident

WARNING: When descending a long, steep gradient use engine braking by down-changing and use the brakes intermittently. Continuous brake application can overheat the brakes and reduce their effectiveness.

Riding with your foot on the brake pedal or your hands on the brake lever may actuate the brake light, giving a false indication to other drivers. It may also overheat the brake, reducing braking effectiveness.

Do not coast with the engine switched off, and do not tow the motorcycle. The transmission is pressure-lubricated only when the engine is running, inadequate lubrication may cause damage or seizure of the transmission which can lead to sudden loss of motorcycle control and an accident.



PARKING

Select neutral and turn the ignation switch to the 'OFF position

Always park on a firm, level surface to prevent the motorcycle from falling.

When parking on a hill always park facing uphill to prevent the motorcycle from rolling off the stand

On a latera, (sideways) incline, always park with the motorcycle leaning towards the sidestand and engage first gear to prevent the motorcycle from moving. Do not use the centre stand on a lateral (sideways) incline

Do not park on a lateral (sideways) incline of greater than 6° and never park facing downhill

Lock the steering to help prevent theft

NOTE:

- When parking near traffic at night, leave the tail, licence plate and side lights on by turning the ignition switch to P (Park).
- Do not leave the switch in the 'P' position for long periods as this will discharge the battery.

WARNING: Do not park on a soft or on a steeply inclined surface as parking under these conditions may cause the motorcycle to fall over. Ensure that the stand is fully retracted before riding off.

Petrol is extremely flammable and can be explosive under certain conditions. If parking inside a garage or other structure, be sure it is well ventilated and the motorcycle is not close to any source of flame or sparks. This includes any appliance with a pilot light.

The engine and exhaust system will be hot after riding. DO NOT park where pedestrians and children are likely to touch the motorcycle as touching any of the hot parts may cause unprotected skin to become burnt.

CONSIDERATIONS FOR HIGH SPEED OPERATION

WARNING: This Triumph motorcycle should be operated within the legal speed limits for the particular road travelled. Operating a motorcycle at high speeds can be potentially dangerous since the time available to react to given traffic situations is greatly reduced as road speed increases. Always reduce speed consideration of weather and traffic conditions. Only operate this Triumph motorcycle at high speed in closed-course on-road competition or on closed course race tracks.

WARNING: The items listed are extremely important and must never be neglected. A problem which may not be noticed at normal operating speeds may be greatly exaggerated at high speeds.

WARNING: The handling characteristics of a motorcycle at high speed may vary from those you are familiar with at legal road speeds. Do not attempt high speed operation unless you have received sufficient training and have the required skills as a serious accident may result from incorrect operation.

Luggage:

Make certain that any luggage containers are closed, locked and securely fitted to the motorcycle.

Brakes

Check that the front and rear brakes are functioning properly

Steering

Check that the handlebar turns smoothly without excessive free play or light spots Ensure that the control cables do not restrict the steering in any way.

Tires

High speed operation is hard on tires, and good tires are crucial for riding safely. Examine their overall condition, inflate to the correct pressure (when the tires are cold) and check the wheel balance. Securely fit the valve caps after checking tire pressures. Observe the information given in maintenance and specification sections on tire checking and tire safety.

Fuel

Have sufficient fuel for the higher consumption expenenced during high speed operation

Engine Oil

Make certain that the oil level is visible mid-way up the sight glass. Ensure that the correct grade and type of oil is used when topping-up.

Coolant

Check that the coolant level is at the upper level line in the expansion tank (Always check level with engine cold)

Electrical Equipment

Make certain that the headlight, rear/brake ight, turn signals, horn etc. all work properly

Miscellaneous

Make certain that all fixings are tight and that all safety related parts are in good condition.

The addition of accessor es and carriage of additional weight can affect the motorcycle's handling characteristics causing changes in stability, and necessitating a reduction in speed. The following information has been prepared as a guide to the potential hazards of adding accessories to a motorcycle and carrying passengers and additional loads.

WARNING: Incorrect loading may result in an unsafe riding condition leading to an accident.

Always ensure any loads carried are evenly distributed on both sides of the motorcycle. Ensure that the load is correctly secured such that it will not move around while the motorcycle is in motion.

Always check the load security regularly (though not while the motorcycle is in motion) and ensure that the load does not extend beyond the rear of the motorcycle.

Never exceed the maximum vehicle toading weight of 477 lbs (217 Kg),

This maximum weight is made up from the combined weight of the rider, passenger and any load carried.

WARNING: Do not install accessories or carry luggage that impairs the control of the motorcycle. Make sure that you have not adversely affected any lighting component, road clearance, banking capability (i.e. lean angle), control operation, wheel travel, front fork movement, or any other aspect of the motorcycle's operation.

WARNING: Never ride an accessory equipped motorcycle at speeds above 80mph (130km/h).

The presence of accessories will cause changes in the stability and handling of the motorcycle.

Failure to allow for changes in motorcycle stability may lead to loss of control or an accident.

Remember that the 80mph (130km/h) limit will be reduced by the fitting of non-approved accessories, incorrect loading, worn tires, overall motorcycle condition and poor road or weather conditions.

WARNING: This motorcycle must not be operated above the legal road speed limit except in authorised closed course conditions.

WARNING: The handling and braking capabilities of a motorcycle will be affected by the presence of a passenger. The rider must make allowances for these changes when operating the motorcycle with a passenger.

Motorcycle operation without making allowances for the presence of a passenger could lead to loss of motorcycle control and an accident.

For further information and advice about riding with a passenger contact the Motorcycle Safety Foundation at the address given elsewhere in this handbook and consult the Motorcycle Safety Foundation book 'You and Your Motorcycle, Riding Tips' supplied with the motorcycle

WARNING: Your passenger should be thoroughly familiar with motorcycle operation.

The passenger can cause loss of control of the motorcycle by incorrect positioning during cornering and sudden movements.

It is important that the passenger sits still while the motorcycle is in motion and does not interfere with the operation of the motorcycle.

If a passenger is carried, the rider should instruct the passenger to keep his or her feet on the passenger footrests and to firmly hold onto the seat strap or the rider's waist or hips.

The passenger should also be advised to lean with the rider when travelling in corners and not to lean unless the rider does so.

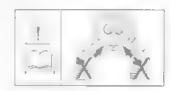
Do not carry animals on your motorcycle

WARNING: Do not carry a passenger unless he or she is tall enough to reach the footrests provided.

A passenger who is not talt enough to reach the footrests will be unable to sit securely on the motorcycle and may cause instability leading to loss of control and an accident.

WARNING: Never attempt to store any items between the frame and the fairing. This can restrict the steering and will cause loss of control leading to an accident.

Weight attached to the handlebar or front fork will increase the mass of the steering assembly and can result in loss of steering control leading to an accident.





Your Triumph Motorcycle is a quality engineered product which has been carefully built and tested to exacting standards. Triumph Motorcycles are keen to ensure that you enjoy optimum performance from your machine and with this objective in mind have tested many of the engine lubricants currently available to the limits of their performance.

Mobil 1 Racing 4T consistently performed well during our tests and has become our primary recommendation for the lubrication of all current Triumph motorcycle engines

Mobil 1 Racing 4T, specially filled for Triumph is available from your authorised Triumph dealer

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Maintenance and Adjustment

SCHEDULED MAINTENANCE

To maintain the motorcycle in a safe and reliable condition, the maintenance and adjustments outlined in this section must be carried out as specified in the schedule of daily checks, and also in line with the scheduled maintenance chart. The information which follows describes the procedures to follow when carrying out the daily checks and some simple maintenance and adjustment items.

The U.S. Environmental Protection Agency and the California Air Resources Board require that your motorcycle comply with exhaust emission and noise control standards during its useful service life. In order to prevent possible prosecution under state and local ordinances, carry out the maintenance of the motorcycle in line with the periodic maintenance chart using genuine triumph parts. Compliance with the requirements of the periodic maintenance chart is necessary in order to keep the emission and noise control warranties in effect.

Warranty and other service information, including the service record, are contained in the bookiet 'Motorcycle Warranty and Service Record, U.S.A. Modeis' supplied with this motorcycle.

WARNING: In order to correctly carry out the maintenance items listed in the scheduled maintenance chart, special tools and specialist knowledge will be required. Only an authorized Triumph dealer will have this knowledge and equipment.

Since incorrect or neglected maintenance can lead to a dangerous riding condition, always have an authorized Triumph dealer carry out the scheduled maintenance of this motorcycle.

Sc	hedule	d Mainte	nance C	hart			
	Odometer Reading In Miles (Kms) or time period, whichever comes first						
Operation Description	Every	500 (800) 1 month	6000 (10000) 1 year	12000 (20000) 2 years	18000 30000) 3 years	24000 (40000) 4 years	30000 50000 5 years
Engine oil - renew	-	•					
Engine oil filter - renew	-				•		
Valve clearances - check adjust				•			
Air cleanar element - renaw	-			•		•	
Engine ECM check for stored DTCs	-						•
Spark pluga - check	-			•			
Spark plugs renew						•	
Thraitte bodies balance	-				i	•	
Throitte cable check/edjust	Day	•		•			•
Copiant evel - check,adjust	Day						

Maintenance and Adjustment

Schedule	d Main	tenance	Chart (C	Continue	rd)		
	Odometer Reading in Miles (Kms) or time period. whichsver-comes first.						
Operation Description	Every	500 (800) 1 month	6000 (10000) 1 year	12000 (20000) 2 years	18000 (30000) 3 years	24000 (40000) 4 years	
Coalent - renew				-	-		
Cooling system - check for eaks	Day						
Fuel system - chack for leaks	Day			•		•	•
Fuel Filler - renew	-	i		•	1		
Steering - check for free operation	Day		•				
Headstock bearing - check/adjust	-	Î	Ì	•		•	
Headstock bearing - lubricate	-	i i	l	•			*
Forks - check for leaks/smooth operation	Day	•	•	•	•	•	
Fork oil - renew			İ		1	•	
Brake fluid leyels - check	Day				•	•	
Brake fluid - renew			I	very 2 yea	n.s		1
Brake hoses - renew		•	1	Every 4 yea	ITŜ.		
Brake right - check operation	Day						
Brake pads - check wear levels	Day				•		
Brake master "ylinder - renew seals			f	Every 2 yea	75		
drake cai pers - renew seals			F	Every 2 yea	r5		
Orive chain - lubricate			Every 2	100 m es 13	300 kms		
Drive chain - wear check			Every 5	i00 miles (6	000 kms		
Drive chain slack - check/adjust	Day					•	
Rear suspension - ubricare			3 years/24	000 miles	40000 kms		
Rear wheel bearing - ubricate	-	Ī	7				
Fasteners - rispect visually for security	Day	•			•		
Milee s inspect for damage	Day				•		
The weartine damage - check	Day		•				
Tire pressures - check/adjust	Day						
Cutch cable + check/artiust	Day						

WARNING: All maintenance is vitally important and must not be neglected. Incorrect maintenance or adjustment may cause one or more parts of the motorcycle to maifunction. A malfunctioning motorcycle is dangerous and may lead to an accident.

Weather, terrain and geographical location affects maintenance. The maintenance schedule should be adjusted to match the particular environment in which the vehicle is used and the demands of the individual owner.

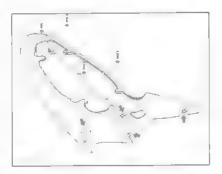
Triumph Motorcycles cannot accept any responsibility for damage or injury resulting from incorrect maintenance or improper adjustment carried out by the owner.

Since incorrect or neglected maintenance can lead to a dangerous riding condition, always have an authorised Triumph dealer carry out the scheduled maintenance of this motorcycle.

SIDE PANEL

Side Panel Removal

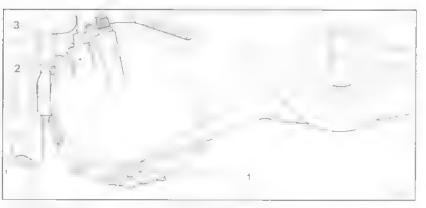
- Remove the seat
- Disconnect the battery, negative (black) ead first



- Release the fixings as shown in the diagram above
- Remove the grab rail (ST on y)
- On both left and right hand sides of the motorcycle, release the side panel from the retaining studs in the positions arrowed. To release the panel from the studs, gently puil the panel outwards using hand pressure only.
- Disconnect the rear light
- Lift and withdraw the side pane assembly in a rearward direction

Side Panel Relitting

- Reverse the removal procedure with the exception of the following.
- Reconnect the battery positive (red) ead first
- Tighten the panel fixings to 3 Nm
- . Tighten the grab rail fixings to 27 Nm



- 1. Sight Glass
- 2. Filler
- 3. Filler Plug

ENGINE OIL



In order for the engine, transmission, and clutch to function correctly, maintain the engine oil at the correct level, and change the oil and oil filter in accordance with scheduled maintenance requirements

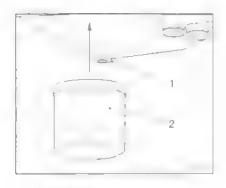
WARNING: Motorcycle operation with insufficient, deteriorated, or contaminated engine oil will cause accelerated engine wear and may result in engine or transmission seizure. Seizure of the engine or transmission may lead to loss of control and an accident.

Oil Level Inspection

- Stop engine, then wait for at least 10 minutes to allow the oil to settle
- The oil level is indicated by a sight glass situated at the bottom of the clutch cover on the right hand side of the motorcycle. When the oil level is correct, the level of oil should be between the two lines marked on the clutch cover to the right of the sight glass.

NOTE.

- The actual level is indicated when the motorcycle is level and upright, not on the side stand.
- If the oil level is too low, remove the plug situated in the upper rear side of the clutch cover
- Add oil a ittle at a time until the oil begins to show in the sight glass.
 Then adjust to the correct level and refit the plug.



Oil Drain Plug
 Oil Filter

Oil and Oil Filter Change



WARNING: Prolonged or repeated contact with engine oil can lead to skin dryness, irritation and dermatitis. In addition, used engine oil contains potentially narmful contamination which can cause cancer. Wear suitable clothing and avoid skin contact.

The engine oil and filter must be replaced in accordance with scheduled maintenance requirements

- Warm up the engine thoroughly and then stop the engine
- Place an oil pan beneath the engine
- Remove the engine drain plug

WARNING: The oil may be hot to the touch. Contact with hot oil may cause the skin to be scalded or burned.

- With the motorcycle on level ground allow the oil to completely drain
- Unscrew and remove the oil filter using the Thumph service tool T3880311
- Discard the oil filter
- Apply a smear of clean engine oil to the sealing ring of the new oil filter
- Fit the oil filter and tighten to 12 Nm
- After the oil has completely drained out fit a new sealing washer to the engine drain plug. Fit and tighten the plug to 25 Nm
- Fill the engine with new oil of the type and grade listed in the specification section
- Start the engine and allow to die

CAUTION: Racing the engine before the oil reaches every part can cause engine damage or seizure.

 Ensure that the oil pressure warning light extinguishes shortly after starting

CAUTION: If the engine oil pressure is too low, the low oil pressure warning light will illuminate. If this light stays on when the engine is running, stop the engine immediately and investigate the cause. Running the engine with low oil pressure will cause engine damage.

Stop the engine and check the oil level. Adjust if necessary

Disposal of Used Engine Oil

To protect the environment, do not pour oil on the ground, down sewers or drains, or into water courses. Dispose of used oil sensibly. If in doubt contact your local authority

CAUTION: Triumph high performance fuel injected engines are designed to use semi or fully synthetic 15W 40 motorcycle engine oll which meets specification API SH.

Do not add any chemical additives to the engine oil. The engine oil also lubricates the clutch and any additives could cause the clutch to slip.

Do not use mineral, vegetable, non-detergent oil, castor based oils or any oil not conforming to the required specification. The use of these oils may cause instant, severe engine damage,

Ensure no foreign matter enters the crankcase during an oil change or top-up.

COOLING





To ensure efficient engine cooling,

check the coolant level each day before riding the motorcycle and top up the coolant if the level is low

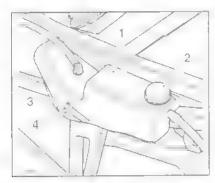
Corrosion Inhibitors

To protect the cooling system from rust and corrosion, the use of corrosion inhibitor chemicals in the coolant is essent al

If coolant containing corrosion and rust inhibitor chemicals is not used the cooling system will accumulate rust and scale in the water jacket and radiator. This will block the coolant passages, and considerably reduce the efficiency of the cooling system.

WARNING: Use coolant mixture containing corrosion inhibitors and anti-freeze suitable for aluminium engines and radiators. Always use the anti-freeze in accordance with the instructions of the manufacturer.

Coolant mixture which contains antifreeze and corrosion Inhibitors contains toxic chemicals which are harmful to the human body. Never swallow anti-freeze or any of the motorcycle coolant.



- 1. Expansion Tank
- 2. Tank Cap
- 3. 'MAX' Mark
- 4. 'MIN' Mark

Coolant Level Inspection



- Position the motorcycle on lever ground and in an apright position
- The coolant level in the expansion tank can be checked by looking through the gap in the left hand side of the rear bodywork
- Check the coolant level in the expansion tank. The coolant evel must be between the 'MAX' (upper line) and MiN (lower line) marks if the coolant is below the minimum evel the coolant level must be adjusted.

Coolant Level Adjustment

WARNING: Do not remove the expansion tank cap when the engine is hot. When the engine is hot, the coolant inside the expansion tank is hot and also under pressure. Contact with this hot, pressurised coolant will cause scalds and skin damage.

- · Remove the seat
- Remove the side panels.
- Allow the engine to cool
- Remove the cap from the expansion tank, and add coolant mixture through the finer opening to the MAX mark. Befit the cap

NOTE

- If the coolant level is being checked because the coolant has overheated, also check the level in the radiator and top-up if necessary.
- In an emergency, water alone can be added to the cooling system.
 However, the coolant must be returned to the correct mixture ratio as soon as possible.

Radiator and Cooling Fan

Check the rad ator fins for obstructions by insects leaves or mud. Clean off any obstructions with a stream of low-pressure water.

WARNING: The cooling fan operates automatically, even with the ignition switch off. Always keep hands and clothing away from the fan. Contact with the rotating fan can cause injury.

CAUTION: Using high pressure water, such as from a car wash facility, can damage the radiator fins and impair the radiator's efficiency.

Do not obstruct or deflect airflow through the radiator by installing unauthorised accessories, either in front of the radiator or behind the cooling fan. Interference with the radiator airflow can cause overheating, resulting in engine damage.

CAUTION: Distilled water must be used with the antifreeze (see specification for antifreeze) in the cooling system.

If hard water is used in the system, it causes scale accumulation in the water passages, and considerably reduces the efficiency of the cooling system.

If coolant must be added often, or the expansion tank runs dry, there is probably a leak in the system. Have the cooling system inspected by your authorised Triumph dealer.

Coolant Change

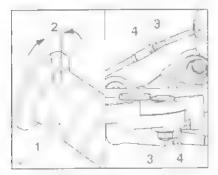
Have the coolant changed by an authorised Triumph dealer in accordance with scheduled maintenance requirements

Radiator Hoses

Check the radiator hoses for cracks or deterioration, and hose clips for tightness in accordance with scheduled maintenance requirements. Have your authorised Triumph dealer replace any defective items

CAUTION: A permanent type of antifreeze is installed in the cooling system when the motorcycle leaves the factory. It is coloured blue, contains a 50% solution of ethylene glycol, and has a freezing point of -35 C (-31 F).

Maintenance and Adjustment



- 1 Throttle Grip
- 2 2-3 mm
- 3 Upper Adjuster Locknut
- 4. Adjuster

THROTTLE GRIP

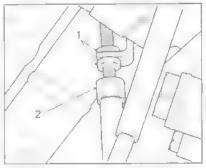
The throttle grip controls the throttle valves in the throttle bodies

If the throttle cable is incorrectly adjusted either too tight or too loose, the throttle may be difficult to control and performance will be adversely affected.

Check the throttle gnp free-play in accordance with scheduled maintenance requirements and make adjustments as necessary

Inspection

- Check that there is 2-3 mm throttle grip free-play when lightly turning the throttle grip back and forth
- If there is an incorrect amount of free-play, adjustments must be made



- 1. Locknut
- 2. Adjuster (Throttle Body End)

WARNING: Use of the motorcycle with an incorrectly adjusted, incorrectly routed, sticking or damaged throttle cable could interfere with the throttle function resulting in loss of control of the motorcycle and an accident.

Adjustment

NOTE:

- Minor adjustments can be made using the adjuster near the twist grip end of the throttle. Where a correct setting cannot be achieved in this way, the adjuster at the throttle body end must be used.
- Disconnect the battery negative (b.ack) lead first
- Set the cable adjuster at the twist grip end such that it has an equal amount of adjustment in each direction

- Set the adjuster at the throttle body end of the cable to give 2-3 mm of play at the twist grip. Tighten the ocknut
- Make any minor adjustments as necessary to give 2-3 mm of play using the adjuster at the twist grip end of the cable. Tighten the locknut.

WARNING: Ensure that both the adjuster locknuts are tightened. A loose throttle cable adjuster could cause the throttle to stick leading to loss of control and an accident.

- Reconnect the battery, positive (red) lead first
- Refit the seat

CLUTCH

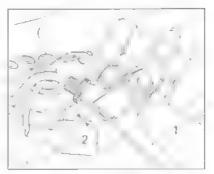
The motorcycle is equipped with a cable operated clutch,

If the clutch lever has excessive free-play the clutch may not disengage fully and cause difficulty in changing gear and clutch drag. Conversely, if the clutch lever has insufficient free-play the clutch may not engage fully, causing clutch slip.

Clutch lever free-play must be checked in accordance with scheduled maintenance requirements

Inspection

- Check that there is 0.4.0.8 mm clutch lever free-play as shown in the diagram above
- If there is an incorrect amount of free play, adustments must be made



- 1. Lever
- 2. 0.4-0 8 mm

Adjustment

- Loosen the knur ed locknut at the ever end of the clutch cable and turn the adjuster sleeve until the correct amount of clutch lever free-play is achieved
- Tighten the knurled locknut against the clutch lever assembly
- If correct adjustment cannot be made using the lever adjuster use the cable adjuster at the lower end of the cable
- · Loosen the adjuster locknut
- Turn the outer cable ad uster to give
 0.4.0.8 mm of free-play at the clutch
 lever.
- Tighten the locknut

DRIVE CHAIN -BOTH MODELS



For safety and to prevent excessive wear, the drive chain must be checked, adjusted, and lubricated in accordance with scheduled maintenance requirements. Checking, adjustment and lubrication must be carried out more frequently for extreme conditions such as saity or heavily gritted roads.

If the chain is badly worn or incorrectly adjusted (either too loose or too tight) the chain could jump off the sprockets or break

WARNING: A chain that breaks or jumps off the sprockets could snag on the engine sprocket or lock the rear wheel, severely damaging the motorcycle and causing an accident.

Never neglect chain maintenance.

NOTE:

 Checking, adjustment and lubrication of the drive chain must be carried out with the motorcycle set up on a paddock stand so that the rear suspension hangs free.

Chain Lubrication



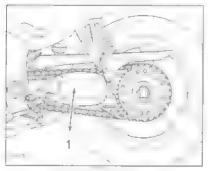
Lubrication is necessary every 500 miles and also after nding in wet weather, on wet roads, or any time that the chain appears dry

Use the special chain lubricant as recommended in the specification section

- Apply lubricant to the sides of the rollers. This will allow the oil to penetrate to the chain rollers and bushings. Also apply oil to the chain O'rings. Wipe off any excess oil
- If the chain is especially dirty, clean first using paraffin and then apply oil as mentioned above

CAUTION: Do not use a power 'jet' wash to clean the chain as this may cause damage to the chain components.

Chain Free-movement Inspection - ST



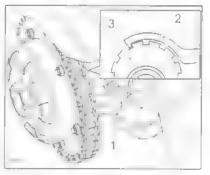
 Maximum Movement Position 1.4-1.6 inches (35-40 mm)

WARNING: To prevent risk of injury from the motorcycle falling during the inspection, ensure that the motorcycle is stabilized and secured on the stand.

- Rotate the rear wheel to find the position where the chain is tightest and measure the vertical movement of the chain midway between the sprockets
- The vertical movement of the drive chain must be 1 4-1 6 inches (35-40 mm)

Chain Free-movement Adjustment - ST

- If the chain free-movement measurement is incorrect, adjustments must be made as follows
- Loosen the clamp bolt which secures the rear hub/eccentric adjuster to the swinging arm

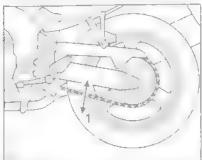


- 1. Adjuster Clamp Bolt
- 2. 'C' Spanner
- 3. Eccentric Adjuster
- Using the 'C' spanner supplied in the motorcycle tool kit, turn the rear hub/eccentric adjuster (clockwise to loosen, anti-clockwise to tighten) until the drive chain is correctly adjusted (1.4–1.6 inches (35–40 mm) of vertical movement)
- Tighten the rear hub/eccentric adjuster clamp bolt to 55 Nm
- Rotate the rear wheel and repeat the chain adjustment check. Re-adjust if cutside the 1.4-1.6 inches (35-40 mm) limit.

WARNING: Operation of the motorcycle with an insecure rear hub/eccentric adjuster clamp bolt may result in impaired stability and handling of the motorcycle. This impaired stability and handling may lead to loss of control or an accident.

· Check the rear brake effectiveness

Chain Free-movement Inspection - RS



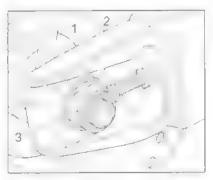
Maximum Movement Position
 (25-35 mm)

WARNING: To prevent risk of injury from the motorcycle falling during the inspection, ensure that the motorcycle is stabilized and secured on the stand.

- Rotate the rear wheel to find the position where the chain is tightest and measure the vertical movement of the chain midway between the sprockets
- The vertical movement of the drive chain must be 25-35 mm

Chain Free-movement Adjustment - RS

- If the chain free-movement measurement is incorrect, adjustments must be made as follows
- Loosen the wheet spindle nut
- Release the locknuts on both the left and right chain adjuster bolts

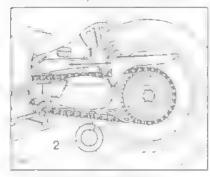


- 1. Adjuster Bolt
- 2. Adjuster Bolt Locknut
- 3. Rear Wheel Spindle Nut
 - Moving both adjusters by an equal amount, turn the adjuster bolts clockwise to increase chain free-movement and anti-clockwise to reduce chain free-movement
 - When the correct amount of chain free-movement has been set, tighten both adjuster locknuts to 27 Nm and the rear wheel spindle nut to 110 Nm
 - Rotate the rear wheel and repeat the chain adjustment check. Re-adjust if necessary.

WARNING: Operation of the motorcycle with insecure adjuster locknuts or a loose wheel spindle may result in impaired stability and handling of the motorcycle. This impaired stability and handling may lead to loss of control or an accident.

Check the rear brake effectiveness

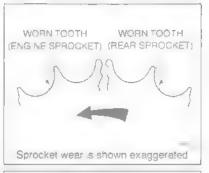
Chain Wear Inspection - Both Models



- 1. Measure Across 20 Links
- 2. Weight

WARNING: To prevent risk of injury from the motorcycle falling during inspection, ensure that the motorcycle is stabilized and secured on the paddock stand.

- Remove the chain guards.
- Stretch the chain taut by hanging a 20-40 lb (10-20 kg) weight on the chain
- Measure the length of 20 links on the straight part of the chain from pla centre of the 1st pin to the centre of the 21st pin. Since the chain may wear unevenly, take measurements at several places.
- If the length exceeds the maximum service limit of 12.63 inches (321 mm) the chain must be replaced

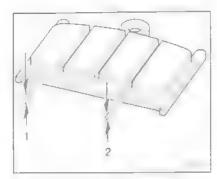


WARNING: The use of non-approved chains may result in a broken chain or may cause the chain to jump off the sprockets. Either condition could lock the rear wheel, severely damaging the motorcycle and causing loss of control and an accident.

For safety, use a genuine Triumph supplied chain as specified in the Triumph parts catalogue.

Never neglect chain maintenance and always have chains installed by an authorised Triumph dealer.

- Rotate the rear wheel and inspect the drive chain for damaged rollers, and loose pins and links
- Asso inspect the sprockets for unevenly or excessively worn or damaged teeth
- If there is any irregularity have the drive chain and/or the sprockets replaced by an authorized Thumph dealer
- Replace the chain guard



- 1. Lining Thickness
- 2. 1.5 mm (0.06 in) Groove Thickness

BRAKES

Brake Wear Inspection

Brake pads must be inspected in accordance with scheduled requirements and replaced if worn to, or beyond the minimum service thickness

If the lining thickness of any pad (front or rear brakes) is less than 0.06 in (1.5 mm), that is, if the pad has worn down to the bottom of the grooves, replace all the pads on the wheel

WARNING: Brake pads must always be replaced as a wheel set. At the front, where two calipers are fitted on the same wheel, replace all the brake pads in both calipers.

Replacing Individual pads will reduce braking efficiency and may cause an accident.

Disc Brake Fluid

Inspect the level of braxe fluid in both reservoirs and change the braxe fluid in accordance with scheduled maintenance requirements. Use only DOT 4 fluid as recommended in the specification section. The brake fluid must also be changed if it becomes, or is suspected of having become contaminated with moisture or any other contaminants.

WARNING. Brake fluid is hygroscopic which means it will absorb moisture from the air.

Any absorbed moisture will greatly reduce the bolling point of the brake fluid causing a reduction in braking efficiency.

Because of this, always replace brake fluid in accordance with scheduled maintenance requirements.

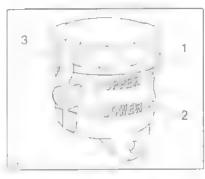
Always use new brake fluid from a sealed container and never use fluid from an unsealed container or from one which has been previously opened.

Do not mix different brands or grades of brake fluid.

Check for fluid leakage around brake fittings, seals and Joints and also check the brake hoses for splits, deterioration and damage.

Always rectify any faults before riding.

Failure to observe and act upon any of these items may cause a dangerous riding condition leading to loss of control and an accident.



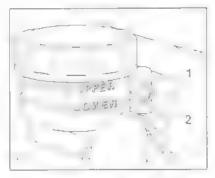
- Upper Level, Front Brake
- 2. Lower Level, Front Brake
- 3. Safety Clip

Brake Fluid Level Inspection and Adjustment

- The braxe fluid tevel in the reservoirs must be kept between the upper and lower tevel lines (reservoir held horizontal)
- At the rear, remove the side panel assembly
- Remove the safety clip (front only)
- Fill the reservoir to the upper tevel line using new DOT 4 fluid from a sealed container
- Refit the reservoir cap ensuring that the diaphragm seal is correctly fitted
- · Refit the safety clip
- · At the rear, refit the side panels

WARNING: If there has been an appreciable drop in the level of the fluid in any fluid reservoir, consult your authorized Triumph dealer for advice before riding.

Riding with defective brakes may lead to an accident.



- 1. Upper Level, Rear Brake
- 2. Lower Level, Rear Brake

Brake Pad Wear Compensation

Disc and disc pad wear is automatically compensated for and has no effect on the brake lever or pedal action. There are no parts that require adjustment on the front and rear brakes.

WARNING: If the brake lever or pedal feels soft when it is applied, or if the lever pedal travel becomes excessive, there may be air in the brake lines or the brake may be defective.

It is dangerous to operate the motorcycle under such conditions and remedial action must be taken by your authorized Triumph dealer before riding.

Riding with defective brakes may lead to an accident

Brake Light Switches

The braxe light is activated independently by either the front or rear brake. If the brake light does not work when the front braxe lever is pulled, or the rear braxe pedal depressed, ask your authorized Triumph dealer to investigate and rectify the fault.

WARNING: Riding the motorcycle with defective brake lights is illegal and dangerous.

An accident causing injury to the rider and other road users may result from use of a motorcycle with defective brake lights.

STEERING WHEEL BEARINGS Steering Inspection

Lubricate and inspect the condition of the headstock (steering) bearings in accordance with scheduled maintenance requirements.

NOTE

 Always inspect the wheel bearings at the same time as the steering bearings.

WARNING: To prevent risk of injury from the motorcycle falling during the inspection, ensure that the motorcycle is stabilized and secured on the support block.

Do not exert extreme force against each wheel or rock each wheel vigorously as this may cause the motorcycle to become unstable or cause injury by falling from its support.

Ensure that the position of the support block will not cause damage to the oil lines beneath the sump.



Inspecting the Steering for Free-Play Inspection

- Position the motorcycle on level ground, in an upright position
- Remove the belly panel
- Raise the front wheel off the ground and place a block beneath the engine to support the motorcycle
- Hold the lower end of the front forks and try to move them forward and backward
- If any free-play can be detected, ask your authorised Triumph dealer to inspect and rectify any faults before riding

WARNING: Riding the motorcycle with incorrectly adjusted or defective steering may cause loss of motorcycle control and an accident.

 Leaving the support in place inspect the wheel bearings as described over

Wheel Bearings Inspection

If the wheel bearings in the front or rear wheel allow play in the wheel hub are noisy or if the wheel does not turn smoothly, have your authorised Triumph dealer inspect the wheel bearings

The wheel bearings must be inspected at the intervals specified in the scheduled maintenance chart.

- Gently rock the top of the front wheel from side to side
- If any free-play can be detected ask your authorised Triumph dealer to inspect and rectify any faults before inding
- Reposition the lifting device and repeat for the rear wheel

WARNING: Operation with worn or damaged wheel bearings may cause impaired handling and instability leading to an accident. If in doubt, have the motorcycle inspected by an authorised Triumph dealer before riding.

- Remove the support and place the motorcycle on the side stand
- Refit the belly panel

FRONT SUSPENSION

Both models are fitted with forks which are

Front Fork Inspect on

- 1 any compage of contage of contage of consult an authorised Triumph dealer

To check that the forks operate smoothly

- Position the motorcycle on tevel ground
- While holding the handlebars and applying the front brake, pump the forks up and down several times

NOTE.

- The suspension movement will be affected by different adjustment settings.
- If roughness or excessive stiffness is detected, consult your authorised Triumph dealer.

WARNING: Riding the motorcycle with defective or damaged suspension can damage the motorcycle, cause loss of control, or an accident.

WARNING: Never attempt to dismantle any part of suspension units as all units contain pressurised gas. Skin and eye damage can result from contact with the pressurised gas.

SUSPENSION SETTING

The standard suspension settings provide a $\min_{t \in L(x)} \{x_t \in L(x), x_t \in L$

WARNING Ensure that the correct balance between front and rear suspension is maintained. Suspension imbalance could significantly change handling characteristics leading to loss of control and an accident. Refer to the chart overleaf for further information or consult your Triumph dealer.

Adjuster Location

The front spring pre-load adjuster is located in the top of each tork

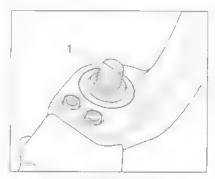
The rear spring pre-load adjuster can be accessed through a hole in the frame on the left hand side of the motorcycle

The rear rebound damping adjuster is located at the bottom of the rear suspension unit on the right hand side of the motorcycle.

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		SPRING	REBO	
	STANDAR	+, ~ ~ +	6.74	1,7 16 *
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	† number of turns of	nm's above fork o	•	

NOTE:

This chart is only a guide. Setting requirements may vary for rider weight and personal preferences.



1. Front Spring Pre-load Adjuster

FRONT SUSPENSION ADJUSTMENT

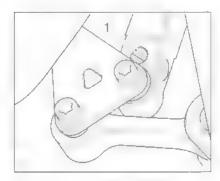
Front Spring Pre-load Adjustment

WARNING: Ensure that the adjusters are set to the same setting on both forks. Settings which vary from left to right hand forks may affect handling resulting in loss of control, and an accident.

To change the spring pre-load, rotate the adjuster clockwise (screw-in) to increase pre-load or anti-clockwise (screw-out) to decrease pre-load. Always set the pre-load adjusters such that there are an equal number of graduation lines visible on both forks.

NOTE:

 The motorcycle is delivered from the factory with the spring pre-load set 10mm out from the fully screwed in position.



1. Rebound Damping Adjuster

REAR SUSPENSION ADJUSTMENT

Rear Rebound Damping Adjustment

The rear rebound damping adjuster is ocated at the bottom of the rear suspension unit on the right hand side of the motorcycle

To adjust the rebound damping setting rotate the adjuster clockwise to increase rebound damping and anti-clockwise to decrease

NOTE

- The settings are all measured as the number of adjuster turns out from the fully screwed in position.
- The motorcycle is delivered from the factory with the rebound adjuster set to 1.5 turns out from the fully screwed in position.



Spring Pre-load Adjuster

Rear Spring Pre-load Adjustment

The rear spring pre-load adjuster can be accessed through a hole in the frame on the left hand side of the motorcycle

To adjust the spring pre-load setting, rotate the slotted adjuster clockwise (screw-in) to increase, or anti-clockwise (screw-out) to decrease pre-load

NOTE

- The settings are all measured as the number of adjuster turns out from the fully screwed in position.
- The motorcycle is delivered from the factory with the spring pre-load set to 12 turns out from the fully screwed in position.









WARNING: Incorrect tire inflation will cause abnormal tread wear and instability problems which may lead to loss of control and an accident.

Wheel Marking

Under-inflation may result in the tire slipping on, or coming off the rim. Over-inflation will cause instability and accelerated tread wear.

Both conditions are dangerous as they may cause loss of control leading to an accident.



Typical Tire Marking

TIRES

This motorcycle is equipped with

tubeless tires, valves and wheel rims. Use only tires marked TUBELESS and tubeless valves on rims marked 'SUITABLE FOR TUBELESS TIRES

Tire Inflation Pressures

Correct inflation pressure will provide maximum stability inder comfort and tire life Always check the pressures before riding when the tires are cold. Check tire pressures daily and adjust if necessary See the specification section for details of the correct inflation pressures



Maintenance and Adjustment

Tire Wear



As the tire tread wears down, the

tire becomes more susceptible to punctures and failure. It is estimated that 90% of all tire failures occur during the last 10% of tread life (90% worn). It is, therefore, false economy and unsafe to use tires until they are worn to their minimum.

 In accordance with the periodic maintenance chart, measure the depth of the tread with a depth gauge and replace any tire that has worn to the minimum allowable tread depth

Minimum Recommended Tread Depth

Under 80 mph (130 km/h)	н Э _ Г
Over 80 mph (130 km/h)	44-11, 314
(100 KIIALI)	E411 8 U J U J

WARNING: This motorcycle must not be operated above the legal road speed limit except in authorized closed course conditions.

WARNING: Operation with excessively worn tires is hazardous and will adversely affect traction, stability and handling which may lead to loss of control and an accident.

When tubeless tires become punctured, leakage is often very slow. Always inspect tires very closely for punctures. Check the tires for cuts, imbedded nails or other sharp objects. Operation with punctured or damaged tires will adversely affect stability and handling which may lead to loss of control or an accident.

Check the rims for dents or deformation. Operation with damaged or defective wheels or tires is dangerous and loss of control or an accident could result.

Always consult your authorized Triumph dealer for tire replacement, or for a safety inspection of the tires.

Tire Replacement

All Triumph motorcycles are carefully and extensively tested in a range of riding conditions to ensure that the most effective tire combinations are approved for use on each model. It is essential that approved tres fitted in approved combinations, are used when purchasing replacement tires The use of non approved tires or approved tires in non approved combinations, may lead to motorcycle instability and an accident. See the specification section for details of approved tire combinations Always have tires fitted and balanced by your authorized Triumph dealer who has the necessary training and skills to ensure safe, effective fitment

WARNING: If a tire sustains a puncture, the tire must be replaced. Failure to replace a punctured tire, or operation with a repaired tire can lead to instability, toss of control or an accident.

WARNING: Do not install tube-type tires on tubeless rims. The bead will not seat and the tires could slip on the rims, causing rapid tire deflation that may result in a loss of vehicle control and an accident. Never install an inner tube inside a tubeless tire. This will cause friction inside the tire and the resulting head build-up may cause the tube to burst resulting in rapid tire deflation, loss of vehicle control and an accident.

WARNING: If tire damage is suspected, such as after striking the kerb, ask your authorized Triumph dealer to inspect the tire both internally and externally. Remember, tire damage may not always be visible from the outside. Operation of the motorcycle with damaged tires could lead to loss of control and an accident.

WARNING: When replacement tires are required, consult your authorized Triumph dealer who will arrange for the tires to be selected, in a correct combination, from the approved list and fitted according to the tire manufacturer's instructions.

When tires are replaced, allow time for the tires to seat to the rim (approximately 24 hours). During this seating period, ride cautiously as an incorrectly seated tire could cause loss of control or an accident

Initially, the new tires will not produce the same handling characteristics as the worn tires and the rider must allow adequate riding distance (approximately 100 miles) to become accustomed to the new handling characteristics.

WARNING (continued from previous page): 24 hours after fitting, the tire pressures must be checked and adjusted, and the tires examined for correct seating. Rectification must be carried out as necessary.

The same checks and adjustments must also be carried out when 100 miles have been travelled after fitting.

Use of a motorcycle with Incorrectly seated tires, incorrectly adjusted tire pressures, or when not accustomed to its handling characteristics may lead to loss of control and an accident.

WARNING: Tires that have been used on a rolling road dynamometer may become damaged. In some cases, the damage may not be visible on the external surface of the tire.

Tires must be replaced after such use as continued use of a damaged tire may lead to instability, loss of control and an accident

WARNING: Accurate wheel balance is necessary for safe. stable handling of the motorcycle. Do not remove or change any wheel balance weights. Incorrect wheel balance may cause instability leading to loss of control and an accident.

When wheel balancing is required, such as after tire replacement, see your authorized Triumph dealer.

Only use self-adhesive weights. Clip on weights may damage the wheel and tire resulting in tire deflation, loss of control and an accident.

BATTERY







Battery Disposal



Should the battery ever require replacement, the original battery must be handed to a recycling agent who will ensure that the dangerous substances from which the battery is manufactured to not pollute the environment

WARNING: The battery gives off explosive gases; keep sparks, flames and cigarettes away. Provide adequate ventilation when charging or using the battery in an enclosed space.

The battery contains sulphuric acid (electrolyte). Contact with skin or eyes may cause severe burns. Wear protective clothing and a face shield.

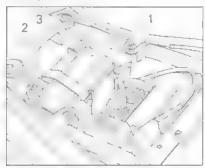
- If electrolyte gets on your skin. flush with water immediately.
- If electrolyte gets in your eyes, flush with water for at least 15 minutes and SEEK MEDICAL ATTENTION IMMEDIATELY.
- If electrolyte is swallowed, drink large quantities of water and SEEK MEDICAL ATTENTION IMMEDIATELY.

KEEP ELECTROLYTE OUT OF THE REACH OF CHILDREN

WARNING: The battery contains harmful materials. Always keep children away from the battery whether or not it is fitted in the motorcycle.

Do not jump start the battery, touch the battery cables together or reverse the polarity of the cables as any of these actions may cause a spark which would ignite battery gases causing a risk of personal Injury.

Battery Removal



- 1. Battery
- 2. Negative (-) Terminal
- 3. Positive (+) Terminal
 - Remove the seat
 - Remove the battery strap
 - Disconnect the battery leads negative (black) lead first
- Take the battery out of the case

WARNING: Ensure that the battery terminals do not touch the motorcycle frame as this may cause a short circuit or spark which would ignite battery gases causing a risk of personal Injury.

 Clean the battery using a clean, dry cloth. Be sure that the cable connections are clean

Battery Maintenance

WARNING: The battery electrolyte is corrosive and poisonous and will cause damage to unprotected skin. Never swallow battery electrolyte or allow it to come into contact with the skin. To prevent injury, always wear eye and skin protection when handling the battery.

The battery is a sealed type and will not require any maintenance other than routine recharging such as during storage.

It is not possible to adjust the electrolyte level in the battery

When charging the battery, ensure that the rate of charge does not exceed 1.2 Amps

Battery Installation

WARNING: Ensure that the battery terminals do not touch the motorcycle frame as this may cause a short circuit or spark which would ignite battery gases causing a risk of personal injury.

- Place the battery in the battery case
- Reconnect the battery, positive (red) ead first
- Apply a light coat of grease to the terminals to prevent corrosion
- Cover the positive terminal with the protective cap
- Refit the battery strap
- Refit the seat

WINDSHIELD CLEANING



Always clean the windshield with clean

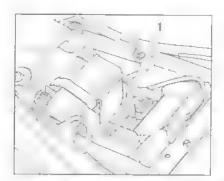
water and a soft cloth. Dry after cleaning with a soft lint free cloth. Minor scratches can be removed using a commercial polishing compound suitable for plastic.

The windshield must be replaced if scratches cannot be completely removed

WARNING: Never attempt to clean the windshield while the motorcycle is in motion as releasing the handlebars may cause loss of vehicle control and an accident.

Operation of the motorcycle with a damage or scratched windshield will reduce the rider's forward vision. Any such reduction in forward vision is dangerous and may lead to an accident causing injury or death.

chemicals such as battery electrolyte will damage the windshield. Never allow corrosive chemicals to contact the windshield



1 Fuse Box

FUSES

Fuses are arranged in the fuse box located under the front seat

If a fuse fails during operation, inspect the electrical system to determine the cause, and then replace it with a new fuse of correct current rating.

WARNING: Always replace blown fuses with new ones of the correct current rating (as specified on the fuse box cover) and never use a fuse of higher rating. Although no spare 5 Amp. fuse is supplied in the fuse box, it is strongly recommended that a spare 5 Amp. fuse be carried.

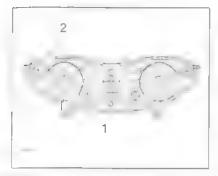
Fuse Identification

A blown fuse is indicated when all of the systems protected by that fuse become noperative. When checking for a blown fuse use the table below to establish which fuse has blown.

Fuse No	Circuits Protected	Fuse Rating
1	Headlights	15A
2	Ign t on Control	30A
J	Instruments, Accessory Socket, Heated Grips	15A
1	Stop lights, Indicators, Horn, Diagnostics, Aarm	20A
5	gnition Control	15A
6	Engine Management	20A
7	Cooling Fan	15A
8	Instrument lumination, Parking Lights	5A
9	Head ights	15A
10	Parking Lights	5A
1	Main Fuse	40A

NOTE:

 The fuse Identification numbers listed above correspond with those printed on the fuse box cover



- 1. Vertical Adjustment Screw (LH)
- 2. Horizontal Adjustment Screw (LH)

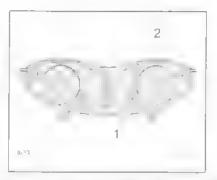
HEADLIGHTS

WARNING: Adjust road speed to suit the visibility and weather conditions in which the motorcycle is being operated.

Ensure that the beam is adjusted to illuminate the road surface sufficiently far ahead without dazzling oncoming traffic, An incorrectly adjusted headlight may impair visibility causing an accident.

WARNING: Never attempt to adjust the headlamp beam when the motorcycle is in motion.

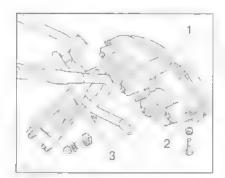
Any attempt to adjust the headlamp beam when the motorcycle is in motion may result in loss of control and an accident.



- 1. Vertical Adjustment Screw (RH)
- 2. Horizontal Adjustment Screw (RH)

Headlight Adjustment

- · Remove the cockpit
- Switch the headlight dipped beam on
- Turn the vertical adjustment screw on each headlight clockwise to lower the beam or anti-clockwise to raise the beam
- On the RH headlight turn the horizontal adjustment screw clockwise to move the beam to the right or anti-clockwise to move the beam to the left
- On the LH headlight turn the horizontal adjustment screw counter clockwise to move the beam to the right or clockwise to move the beam to the left
- Switch the headlights off when the beam settings are sat sfactory

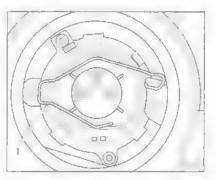


- Headlight Unit
- 2. Side Fixing (RH)
- 3. Centre Fixing

Headlight Bulb Replacement

The complete headlight unit must be removed to gain access for bulb replacement

- Remove the seat
- Disconnect the battery, negative ,b ack) lead first.
- Remove the cockpit
- Unscrew the nuts securing the headight unit to the support bracket and release the unit
- Disconnect the multi-pin electrical connector from the bulb to be replaced and remove the rubber cover
- Detach the wire bulb retainer from the clip—it is not necessary to undo the screw.
- Remove the bulb from the head ight ant
- Installation is the reverse of the removal procedure



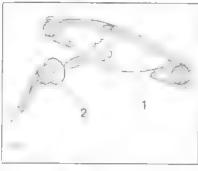
1. Bulb Retainer

CAUTION: When reconnecting the battery, connect the positive (red) lead first.

WARNING. Do not reconnect the battery until the assembly process has been completed. Premature battery reconnection could result in ignition of the battery gases causing risk of injury.

WARNING: The bulb becomes hot during use. Always allow sufficient time for the bulb to cool before handling.

Avoid touching the glass part of the bulb. If the glass is touched or gets dirty, clean with alcohol before re-use

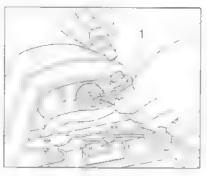


- 1. Position Light
- 2. Bulb Holder

FRONT POSITION LIGHT

Bulb Replacement

- The position lamp is fitted to the cockpit above the headight aperture
- Remove the cockpit panel to gain access for bulb replacement

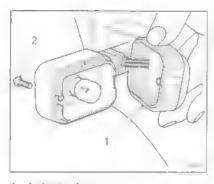


1. Rear Light Bulb Retainer

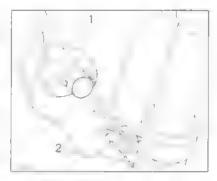
REAR LIGHT

Bulb Replacement

- Remove the rear seat cover to gain access to the tail light unit
- Rotate the builb holder anti-clockwise to release
- Replace the bulb. Fit the bulb holder to the tail light unit.
- Refit the seat



- Indicator Lens
 Securing Screw
- REAR INDICATOR LIGHT BOTH MODELS (Also Front Indicator on RS) Bulb Replacement
- The lens on each indicator light is held in place by a securing screw located in the body of the light
- Release the screw and remove the amber lans to gain access to the bulb for replacement



Indicator Lens
 Securing Screw

FRONT INDICATOR LIGHT - ST Bulb Replacement

- The lens on the front indicators cannot be removed. To gain access to the builb holder remove the lower fairing.
- Release the screws and remove the bulb holder to gain access to the bulb for replacement

CLEANING

Frequent, regular cleaning is an essential part of the maintenance of your motorcycle if regularly cleaned the appearance will be preserved for many years. Cleaning with warm water containing an automotive cleaner is essential at all times but particularly so after exposure to sea breezes, sea water dusty or muddy roads and in winter when roads are treated for ice and show

Although, under the terms of your motorcycle warranty, cover is provided against the corrosion of certain tems, the owner is expected to observe this reasonable advice which will safeguard against corrosion and enhance the appearance of the motorcycle. Do not use household detergent as the use of such products will lead to premature corrosion.

Preparation for Washing

Before washing, precautions must be taken to keep water off the following places.

- Rear opening of the mulfiler Cover with a plastic bag secured with rubber bands
- Clutch and brake evers switch housings on the handlebar Cover with plastic bags
- Ignition switch Cover the keyhole with tape
- Air cleaner intakes Close up the intakes with tape

Where to be Careful

Avoid spraying water with any great force near the following places

- Instruments
- Brake cylinders and brake calipers
- Under the fuel tank
- Drive chain and headstock bearings

NOTE:

 Coin operated, high pressure spray washers are not recommended. The water may be forced into bearings and other components causing eventual fallure from rust and corrosion.
 Some of the soaps which are highly alkaline leave a residue or cause spotting.

After Washing

- Remove the pastic bags and tape and clear the air intakes
- · Lubricate the prvots bolts and nuts
- Test the brakes before motorcycle operation
- Start the engine and run it for 5 minutes
 Ensure adequate ventilation for the exhaust fumes.
- Use a dry coth to absorb water residue. Do not allow water to stand on the machine as this will lead to corrosion.

WARNING: Never wax or ubricate the brake discs. Loss of braking power and an accident could result. Clean the disc with a proprietary brand of oil free brake disc cleaner.

Unpainted Alumin,um Items

- Items such as brake and clutch levers must be correctly cleaned to preserve their appearance
- Use a proprietary brand of auminium cleaner which does not contain abrasive or caustic elements
- Clean aluminium items regularly, in particular after use in inclement weather, where the components must be hand washed and died each time the machine is used.
- Warranty claims due to inadequate maintenance will not be allowed

Cleaning of the Exhaust System:

All parts of the exhaust system of your motorcycle must be cleaned requirily to avoid a deterioration of its appearance. These instructions can be applied to black chrome brushed stainless steel and carbon fibre components alike.

NOTE:

 The exhaust system must be cool before washing to prevent water spotting.

Washing

 Prepare a mixture of water and mild scap. Do not use a high alkaline content scap as commonly found at commercial car washes because the leaves a residue.

- Wash the exhaust system with a soft cloth. Do not use an abrasive scouring pad or steer wool. They will damage the finish.
- Rinse the exhaust system thoroughly
- Ensure no soap or water enters the mufflers

Drying

 Dry the exhaust system completely with a soft cioth. Do not run the engine to dry the system or spotting will occur.

Protecting

 When the exhaust system is dry rub Motorex 645 Clean And Protect' into the surface

CAUTION: The use of silicone products such as WD40 will cause discolouration of the chrome and must not be used. Similarly, the use of abrasive cleaners such as Solvol Autosol will damage the system and must not be used.

 It is recommended that regular protection be applied to the system as this will both protect and enhance the system's appearance

Preparation for Storage:

- Clean the entire vehicle thoroughly
- Empty the fuel from the fuel tank into a secure container

warning: Petrol is extremely flammable and can be explosive under certain conditions. Turn the ignition switch OFF. Do not smoke. Make sure the area is well ventilated and free from any source of flame or sparks; this includes any appliance with a pilot light.

- Remove the spark plugs and put several drops (5 m) of engine oil into each cylinder. Push the starter button for a few seconds to coat the cylinder walls with oil and install the spark plugs.
- Reduce tyre pressure by about 20%
- Set the motorcycle on a box or stand so that both wheels are raised off the ground. (If this cannot be done put boards under the front and rear wheels to keep dampness away from the tyre rubber).
- Spray oil on all unpainted metal surfaces to prevent rusting. Prevent oil from getting on rubber parts brake discs or in the brake calipers.
- Lubricate the drive chain and all the control cables
- Remove the battery, and store it where it will not be exposed to direct sunlight, moisture, or freezing temperatures. During storage it should be given a slow charge (one ampere or less) about once a month Keep the battery well charged during.

- cold weather so that the electrolyte does not freeze and crack the battery. The more discharged the battery becomes the more easily it freezes.
- Tie plastic bags over the exhaust pipe to prevent moisture from entering
- Put a cover over the motorcycle to keep dust and dirt from collecting on t

Preparation after Storage

- Charge the battery, if necessary, and install it in the motorcycle
- Fil the fuel tank with fuel
- Change the engine oil and fister
- Check all the points listed in the Daily Safety Checks section
- Before starting the engine, remove spark plugs
- Put side stand down. This will isolate the ignit on and prevent stray sparks and damage to the ignition system.
- Crank the engine on the starter motor several times until the oil pressure I ght goes out
- Replace spark plugs and start engine
- Check brakes and operation

Specifications

	SPRINT ST	SPRINT RS
PERFORMANCE		
Maximum Power	108 HP (110 PS) @ 9200rpm (r/min)	108 HP (110 PS) @ 9200rpm (r/min)
Maximum Torque	71.5 1b/ft (97.0 Nm) @ 6200rpm (r/min)	71.5 1b/ft (97.0 Nm) @ 6200rpm (r/min)
DIMENSIONS		
Overall Length	85.0 in (2160mm)	83.85 in (2130mm)
Overall Width (to mirrors)	29.5 in (750mm)	29.5 in (750mm)
Overall Height	48.03 in (1220mm)	49.21 in (1250mm)
Wheelbase	57.8 in (1470mm)	57.8 in (1470mm)
Seat Height	31.5 in (800mm)	31,69 in (805mm)
Dry Weight	455 lb (207kg)	437 (bs (199kg)
Maximum Payload	477 lb (217kg)	477 lbs (217kg)
ENGINE		
Туре	in-line 3 cyl.	in-line 3 cyl.
Displacement	58 cu in (955cc)	58 cu in (955cc)
Bore x Stroke	3.1x2.55in (79x65mm)	3.1x2.55in (79x65mm)
Compression Ratio	11,2:1	11.2.1
Cylinder Numbering	Left to Right	Left to Right
Sequence	1-2-3	1-2-3
Firing Order	1-2-3	1-2-3
Starting System	Electric Starter	Electric Starter
LUBRICATION		
Lubrication System	Forced Lubrication (wetsump)	Forced Lubrication (welsump)
Engine Oil	Semi or fully synthetic 10W/40	Semi or fully synthetic 10W/40
	otorcycle engine oil which meets PI SH specification	motorcycle engine oil which meets API SH specification
Engine Oil Capacity	4.22 US Qt 4.00 litres	4.22 US Qt 4.00 litres

Specifications

	SPRINT ST	SPRINT RS
COOLING		
Coolant Type	Mobil Antifreeze	Mobil Antifreeze
Mixture Ratio	50/50	50/50
Coolant Capacity	2.95 US Qt (2.8 litre)	2.95 US Qt (2.8 litre)
Thermostat Opens (nominal)	85°C	85°C
FUEL SYSTEM		
Type	Electronic Fuel Injection	Electronic Fuel Injection
Injectors	Twin Jet Solenoid Operated Plate Valve Type	Twin Jet Solenoid Operated Plate Valve Type
Fuel Pump	Submerged Electric	Submerged Electric
Fuel Pressure	3 Bar	3 Bar
FUEL		
Туре	Unleaded (95 RON)	Unleaded (95 RON)
Tank Capacity	5.55 US gal (21 Litres)	5.55 US gal (21 Litres)
IGNITION		
Ignition System	Digital Inductive	Digital Inductive
Electronic Rev Limiter	9 700rpm (r/min)	9,700rpm (r/min)
Spark Plug	NGK DPR 8EA-9	NGK DPR 8EA-9
Gap	0.8-0.9mm	0.8-0.9mm

BOTH MODELS

		SPRINT ST	SPRINT RS	
TRANSM	ISSION			
Transmiss	sion Type	6 Speed, Constant Mesh	6 Speed, Constant Mesh	
Clutch Typ	je	Wet, Multi-Plate	Wet, Multi-Plate	
Primary D	rive	Gear	Gear	
Final Drive		Chain Regina 136 ORP 108 Link Endless	Chain Regina 136 ORP 108 Link Endless	
Primary D	rive Ratio	1,75 (105/60)	1.75 (105/60)	
Final Drive	e Ratio	2.263 (43/19)	2.263 (43/19)	
Gear Ratio	o: 1st	2,733 (41/15)	2.733 (41/15)	
	2nd	1.947 (37/19)	1.947 (37/19)	
	3rd	1.545 (34/22)	1.545 (34/22)	
	4th	1.291 (31/24)	1.291 (31/24)	
	5th	1.154 (30/26)	1.154 (30/26)	
	6th	1.074 (29/27)	1.074 (29/27)	
TIRES				
Tire Pres	sures (Cold)			
Front	1 4 4 1 4 1 5 4 1 5 4 5 5 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	2.5kg/cm ²	2.5kg/cm ²	
		(36lb/in ²)	$(36/b/in^2)$	
Rear		2.9kg/cm ²	2.9kg/cm ²	
		(42lb/in ²)	(42lb/in ²)	
Option 1	Front	Bridgestone BT57 120/70/17	Bridgestone BT020 120/70/17	
	Rear	Bridgestone BT57 180/55/17	Bridgestone BT020 180/55/17	
Option 2	Front	Michelin Macadam 90X 120/70/17	Bridgestone BT57 120/70/17	
	Rear	Michelin Macadam 90X 180/55/17	Bridgestone 8T57 180/55/17	

WARNING: Use recommended tyre options ONLY in the combinations given. Do not mix tyres from different manufacturers or mix different specification tyres from the same manufacturers.

BOTH MODELS
ELECTRICAL EQUIPMENT
Battery 12V 12AH
Alternator
Headlight
Tail/Brake Light 2x12V 5/21W
Directional Indicator Lights
FRAME
Castor
Trail 3,62 in (92mm) (Sprint ST) 3.50 in (89 mm) (Sprint RS)
Tightening Torques
Oil Filter 8-12Nm
Sump Drain Plug
Spark Plug
Rear Wheel Eccentric Clamp Bolt
FLUIDS AND LUBRICANTS
Engine Oil:
Fully synthetic motorcycle engine oil which meets
specification API SH, such as Mobil 1 Racing 4T 10W/40
Brake and Clutch Fluid Mobil Universal Brake & Clutch Fluid DOT4
Coolant Mobil Antifreeze
Bearings and Pivots Mobil Grease HP 222
Drive Chain
or Mobilube HD 80
NOTE:
Mixing different specification oils or mixing oils of the same specification but of a different brand is not recommended except in emergency.
If in emergency, oils of different brands or specifications do become mixed, change the engine oil and filter at the earliest opportunity. Engine oils are of a fully synthetic type and must never be gived with any other types of all.

type and must never be mixed with any other types of oil.

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